

AD-755 264

TABLE OF MANPOWER REQUIREMENTS USERS
MANUAL

Informatics, Incorporated

Prepared for:

Department of the Navy

27 July 1972

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Memorandum

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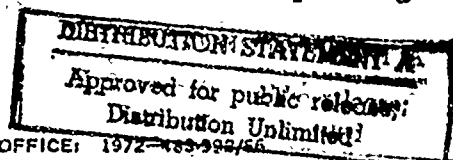
FROM: Deputy Chief of Staff (RD&S)

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SUBJ: Table of Manpower Requirements (T/MR) Study

1. The T/MR project was an outgrowth of a 1969 analysis concerning conversion of the Table of Organization (T/O) process from the NCR 304/315 equipment to the then expected IBM 360-65I. Early in the analysis it became apparent that there were serious deficiencies in the conceptual approach of the T/O System as it had evolved since 1961. The thrust of the analysis then turned toward a concept definition for a system later to be known as the Table of Manpower Requirements. This concept definition lead to the T/MR Study Requirement which was included in the FY71 Marine Corps Studies Program.
2. The basic objective of the T/MR Study was "to analyze planning and reporting requirements toward development of yet unrealized capabilities essential to effective manpower planning, programming, and controlling by the Marine Corps."
3. The study was conducted for the Commandant of the Marine Corps by Informatics Incorporated of Rockville, Maryland. The overall objectives of the study were met in a time phased manner consisting of the following:
 - a. Phase I System Specification, involved analysis of planning and reporting requirements along with identification of desired capabilities.
 - b. Phase II System Design, specifically defined the identified capabilities, and the interrelationships between each other and with other systems external to T/MR.
 - c. Phase III Programming, Testing, and Implementation, provided the actual development of the desired capabilities, that were identified and defined in the prior phases.
4. The T/MR system is founded upon an integrated data base which rationally organizes Marine Corps manpower structural data. The system was designed to provide Optical Character Recognition (OCR) input capability with punch cards as an alternate means. Maintenance of the files is under control of a generalized Data Management System (DMS) specifically tailored to the unique requirements of the T/MR. The DMS also permits rapid information retrieval in functionally oriented statements; in most cases without requiring computer programmer assistance.

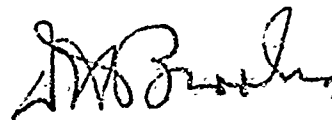


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5. The study was primarily directed toward applications to be utilized within Headquarters Marine Corps. It has been, and will continue to be, a basic source of data for the publication, and implementing directives and procedures, concerned with the T/MR system. In view of the above, the study is considered to be complete and distribution is authorized.

6. A copy of this memorandum will be affixed inside the front cover of each copy of the subject study prior to its distribution.



D. H. BROOKS

Distribution:

AC/S, G-1 (AO1M & AO1E) (18)
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Submitted to:
UNITED STATES MARINE CORPS
Washington, D. C.

FINAL
TABLE OF MANPOWER
REQUIREMENTS

USERS
MANUAL

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27 July 1972

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INTRODUCTION

1.1 T/MR SYSTEM DOCUMENTATION

There are three related manuals which detail the use, computer program operation and computer program design of the T/MR system. These manuals are defined as follows:

- o T/MR USERS MANUAL - The instructions needed for Marines to exercise the total system capability.
- o T/MR OPERATIONS MANUAL - The detailed operator instructions required for efficient running of the system generated computer programs by a "closed shop" computer center.
- o T/MR TECHNICAL MANUAL - The details related to file structure, program design and system maintenance necessary for modification or repair of the system and T/MR (T/O) related processes.

Documentation of the T/MR system in these three general categories allows selective distribution of the T/MR manuals to those agencies having a particular functional responsibility to the T/MR system.

1.2 PURPOSE OF THE T/MR USERS MANUAL

→ The T/MR Users Manual is designed to, under one cover, provide sufficient instructions and procedures for complete exercise of the T/MR

system. This includes data base update, maintenance and diagnostics, procedures for ad-hoc information retrievals, specification of recurring reports, and Manpower Model interface procedures.

1.3 ORGANIZATION OF THE T/MR USERS MANUAL

The T/MR Users Manual is organized into the following sections:

- o T/MR General
- o T/MR Data Elements and Tables
- o T/MR Files
- o T/MR File Maintenance Procedures
- o T/MR Recurring Reports
- o T/MR Ad-hoc Retrieval Capability
- o T/MR Interfaces

The T/MR Users Manual has been written primarily as a reference document rather than as an instructional vehicle. Few potential users will be interested in the detailed operation of the entire system. Each section, therefore, has been written as an individual portion of the manual to facilitate its use by personnel interested in only certain aspects of the system.

GENERAL

2.1 INTRODUCTION

The T/MR system provides the vehicle for depicting the billet structure requirements of the Marine Corps. For the FMF it considers billet requirements as a function of wartime mission. For the non-FMF it relates to gross numbers of personnel authorized for non-FMF forces. The T/MR system is the designated functional responsibility of the Assistant Chief of Staff, G-1, Manpower Control Branch (code AOIE). In this capacity AOIE is the responsible agency for maintenance and update of the T/MR data base, authorization of T/MR information distribution both internal and external to the Marine Corps, and the programming of Headquarters Marine Corps ad-hoc information requests for other HQMC staff agencies.

The system provides the capability to easily program ad-hoc requests for a wide variety of T/MR information using standard T/MR ad-hoc coding forms. In cases where specific program output formats are not required such as a grade and MCS matrix, advantage is taken of the T/MR Data Management System capability to automatically format computer outputs independent of the detailed specification normally required.

Information retrieval can be obtained without the computer programming assistance of Headquarters Marine Corps Data Systems Division personnel. The T/MR Users Manual contains adequate instructions to provide all T/MR information normally used by the majority

of the divisions of Headquarters Marine Corps. This information may be in the form of related systems interfaces, recurring reports, or responses to ad-hoc informational requests.

Input to the T/MR system for file maintenance primarily employs Optical Character Recognition (OCR) techniques and related equipment. However, the system has been designed to allow use of punch card input as a fall back capability.

Marine Corps field units utilize hard copy T/MR information. In addition, many Satellite Data Processing Installations (SDPI) (those possessing a 360/40 OS or larger) will have the capability to generate T/MR information using Headquarters Marine Corps Class I computer programs and monthly updates of the T/MR data base furnished by Headquarters Marine Corps.

2.2 T/MR DATA

Data used in the T/MR system is generated by Marine Corps field units and agencies in Headquarters Marine Corps. Input to the system will vary greatly, ranging from a field request for a modification to the composition of a base T/MR, through input of an entire T/MR for a non-FMF Post or a Station. On occasion, staff agencies within the Headquarters may desire to include planning T/MRs in the T/MR data base. An example would be the development for planning of the T/MR for a new type unit to be included in the Marine Corps structure at some future date. While the data input to the T/MR may vary widely as to source and type of transaction, all updates to the system are approved and effected by the Assistant Chief of Staff, G-1, Manpower Control Branch (AO1E).

2.2.1 Data Element Definition

The data elements used in the T/MR system are defined in the Data Element Dictionary (section 3.2). Each element is described using the following categories:

- o Data Element Name
- o Data Element Number
- o T/MR MNEMONIC
- o No. of Characters
- o Type
- o T/MR File Containment
- o Code Reference
- o Definition

User Manual sections are listed as the Code Reference for data elements that are wholly or partially unique to the T/MR system.

2.2.2 T/MR Data Conventions

In certain instances, commonly understood data elements may be used in the T/MR system according to certain conventions. Section 3.3 contains a Data Element Dictionary Compendium that details particular data element conventions used in the T/MR system, and additionally specifies the characteristics of T/MR unique data elements.

2.3 T/MR SYSTEM CONCEPT

The T/MR System is a general purpose integrated system designed to satisfy a variety of Marine Corps requirements. It is a total system in that it specifies the programs and procedures necessary to system update, maintenance, retrieval and dissemination of Table of Manpower Requirements Information.

2.3.1 T/MR System Responsibilities

The T/MR system has been designed using a data management system to facilitate user flexibility and direct interaction with the system. Under this concept, the maintenance of the system is performed directly by the principal T/MR user through employment of system applications programs. The T/MR Users Manual details the T/MR System maintenance instructions. The T/MR Operations Manual is designed to furnish all the information required to run the T/MR programs by the Headquarters Marine Corps Computer Center or any of the Marine Corps Data Processing Installations having an IBM 360/40 OS or larger computer and Mark IV. The T/MR Technical Manual is designed for the use of the Headquarters Marine Corps Data Systems Division. That manual provides the experienced computer programmer with the detailed information necessary to modify any facet of the T/MR system.

2.3.2 T/MR Data Management System

The T/MR System is defined in the Marine Corps Mark IV data management system. In certain instances, which are invisible to the user, COBOL programming has been used for greater system efficiency.

Examples where COBOL programming is used are the Manpower Management Model interfaces, the interfaces with the existing T/MR (T/O) related processes and certain rigid format outputs.

2.3.3 T/MR System Flow

The flow chart, figure 2-1, is designed to provide a general overview of the entire system, and its interfaces with the T/MR (T/O) related processes and the Manpower Management Models. The user interested in a more detailed discussion of portions of the T/MR process such as forms preparation or Table update will be referred to appropriate sections of this manual as the need may arise. The detail design of the computer programs related to the T/MR system is contained in the T/MR Technical Manual.

Input to the T/MR system may originate with units in the field or staff agencies within Headquarters Marine Corps. The nature of field input will vary considerably. In some cases major Marine Corps units using the T/MR update programs at the local MMS DPI may build, edit, and submit a proposed T/MR to Headquarters Marine Corps. In other cases small or remote Marine Corps units may submit a letter requesting a T/MR modification. In any case, all information relating to Marine Corps T/MRs must, when approved, be entered into the T/MR system by the Headquarters Marine Corps, Manpower Control Branch (AOIE). The following discussion relates to the Macro System Flow chart, figure 2-1.

T/MR UPDATE PROCESS

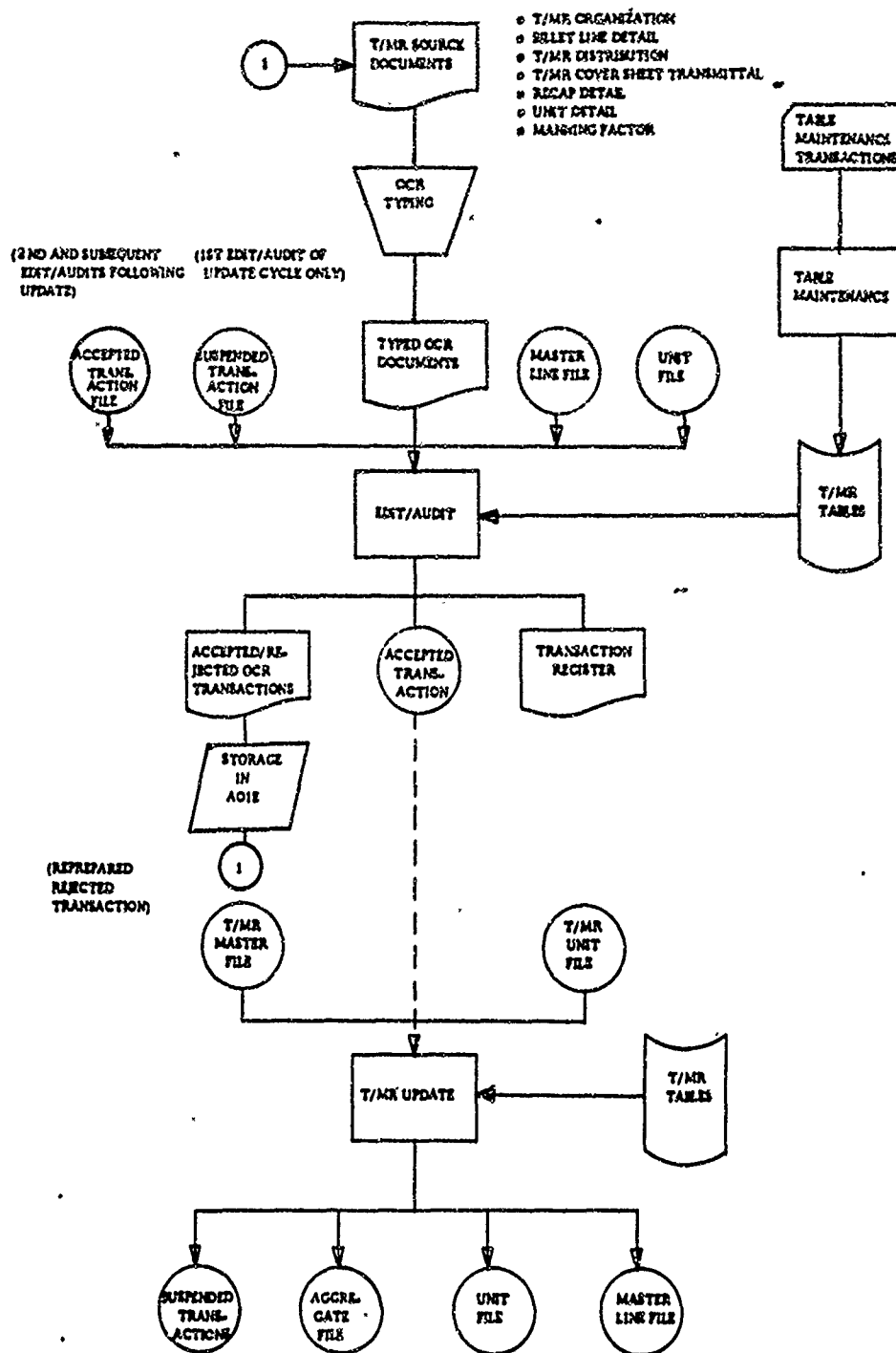
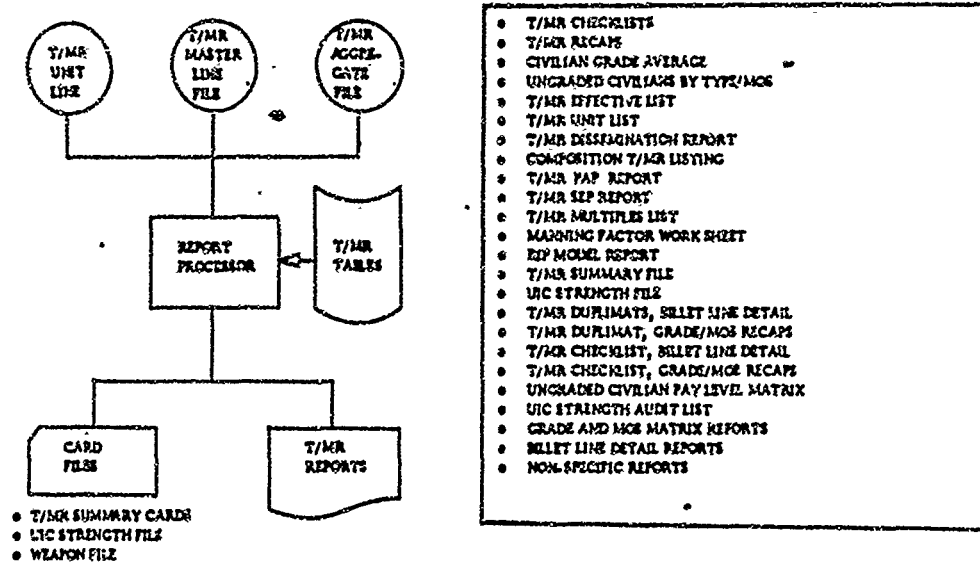


Figure 2-1

REPORTS SUB-SYSTEM



RELATED PROCESSES INTERFACE

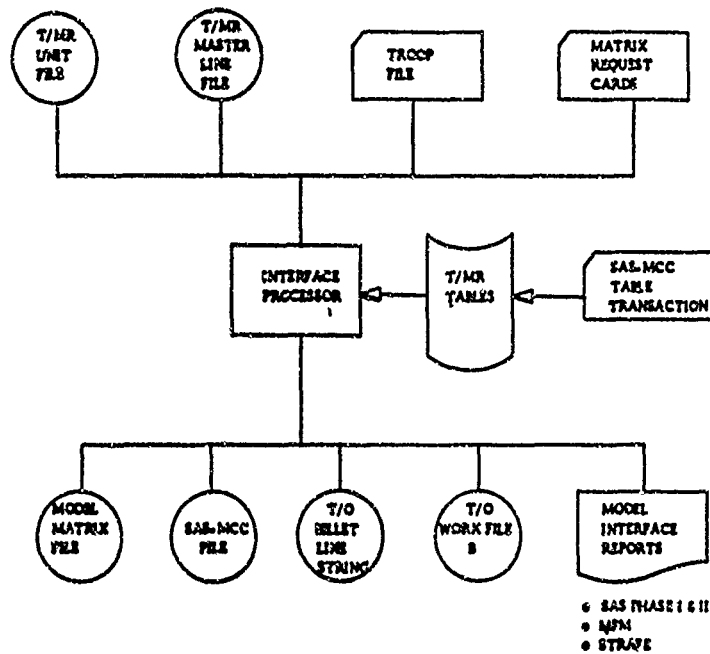


Figure 2-1 (Continued)

Data entry for the T/MR starts with completion of one or more T/MR Transcription Forms (see section 5.2). The completed Transcription forms serve as a source document for the OCR typist (key punch may be used as OCR back-up). Tapes produced as a result of the OCR processing are input to the T/MR Edit/Audit process (see section 5.4). It will be seen that the T/MR Edit/Audit routines receive input from the Accepted Transaction or Suspense Transaction Files, the Master Line File, the Unit File and T/MR tables. For a discussion of the Master Line File and the Unit File see section 4. For a discussion of T/MR Table creation and update see section 3.4. The Suspended file is a listing of T/MR transactions on magnetic tape that for some particular reason were not effected to the system during the previous monthly update. During the first edit/audit of the update cycle these transactions are posted to the new accepted transaction file. The Master Line File and the Unit File contain the most current information from the previous update cycle. There are three outputs from the Edit/Audit process. These are:

- o Accepted/Rejected OCR transactions input forms
- o Accepted Transactions (on magnetic tape)
- o The Transaction register

Documents containing rejected OCR transactions are returned to the T/MR analyst and/or OCR typist as appropriate for correction and re-entry into the system. Error Free OCR documents are placed in reference storage. The Transaction Register contains a listing of all transactions both accepted, rejected, and suspended by the computer

edit/audit phase and is used as a reference document for T/MR analysts and other Headquarters Marine Corps agencies. Following the several periodic edit/audits, (generally monthly), the accepted transactions are input to the T/MR update process. Again the T/MR Master Line File, the T/MR Unit File and the T/MR tables are used as reference files.

Update of these files and creation of the recurring T/MR reports completes the monthly T/MR update. The remaining processes relate to report preparation and interface with the T/MR related processes.

The Suspended Transaction file contains those transactions which the T/MR analysts have deliberately excluded from the previous monthly update. The Suspense file is created on the basis of the contents of a T/MR table referenced by T/MRCA number; hence a particular transaction(s) can be removed from suspense status prior to either Edit/Audit or Update by modification of the SUSPEND table.

After T/MR Update, the T/MR Aggregate, Unit, and Master Line files will have been modified by the Accepted Transactions. They will serve as the T/MR information source until the next update.

The weapon file (presently card format) reflects the total number of "individual" weapons by weapon type by T/MR. This file serves as input to equipment authorization systems maintained by the Assistant Chief of Staff G-4.

There are a number of reports (see section 6.2 for specific information) prepared in conjunction with the T/MR update. These are:

- o T/MR Checklists, Higher Level T/MR Recaps
(Formerly Battalion Recap)
- o Civilian Grade Average (when requested)
- o Ungraded Civilians by Type/MOS (when requested)
- o T/MR Effective List
- o T/MR Unit List(s)
- o T/MR Dissemination Report
- o Composition T/MR Listing
- o T/MR PAP Report
- o T/MR SEP Report
- o T/MR Multiple List
- o Manning Factor Worksheet (when requested)
- o RIP Model Report (when requested)

In addition to the reports prepared in conjunction with the T/MR Update, there are a number of recurring reports that can be produced during the update process or as requested at other times. T/MR output programs use the updated T/MR files and tables in conjunction with a T/MR Report Processor. These include:

- o Card Files
 - T/MR Summary File (DFB 100% Billets)
 - UIC Strength File (FORSTAT JM-1 cards)
- o T/MR Reports
 - T/MR Duplimat, Billet Line Detail
 - T/MR Duplimat, Grade/MOS Recaps
 - T/MR Checklist, Billet Line Detail

T/MR Checklist, Grade/MOS Recaps

Ungraded Civilian Pay Level - Type Matrix

UIC Strength Audit List

o Ad-hoc Reports

Grade and MOS Matrix

Billet Line Detail

Non-Specific

There are a series of T/MR computer programs which produce output suitable for input to the SAS, MPM, and STRAFE Manpower Management models. The T/MR model interface computer programs are incorporated into an Interface Processor. Input to the Interface processor is from the T/MR Unit File, Master Line File, a user designated Troop File, a series of Matrix request cards, the SAS-MCC Transactions table, and the regular T/MR tables. Output from the T/MR Interface Processor includes:

- o Model Matrix File
- o SAS-MCC File
- o T/O Billet Line String (Authorized Strength by PEN process)
- o T/O Work File B (Authorized Strength File process)
- o Model interface reports

SAS PHASE I and II

MPM

STRAFE

These files and reports serve as input to the Manpower Management Models and indicated T/MR (T/O) related report processes.

T/MR DATA ELEMENTS AND TABLES**3.1 INTRODUCTION**

This section defines the T/MR data elements, provides additional information on conventions applicable to certain of the data elements, describes the Tables and table maintenance utilized in the T/MR system, and discusses data element validation procedures.

3.2 T/MR DATA ELEMENT DICTIONARY

The T/MR Dictionary (figure 3-1) contains concise definitions and the following items of information related to each data element employed in the T/MR system:

- o Data Element Characteristics

- Data Element Number (DEN) Identifier

- T/MR Mnemonic used in information retrievals

- Number of Characters (BYTES) in the Data Element field

- Type of field, i.e., Alpha Numeric (A/N), Numeric (N), or Packed Decimal (P).

- o File(s) in which the data element is contained

- Master Line File (MLF)

- Unit File (UNIT)

- Aggregate File (AGG)

- o Code Reference, either a published document, or appropriate section of this manual

DATA ELEMENT NAME	CHARACTERISTICS							CODE REF.	DEFINITION
	D E N	T/MR MNEMONIC	S I Z E	T Y P E	M L F	U N I T	A G G		
ACTIVITY ADDRESS CODE		ACC	7	N		X		MCO PS400 6C	A code identifying an organization for the purpose of printing and publication distribution.
ADD/DELETE FLAG		A/DI	1	A/ N				Sec. 3.3	An indicator that reflects a system action to be taken in conjunction with the effective date.
ALPHA GRADE CODE		A-GRADE	6	A/ N	X			MCO P1080.20C Par. 1099 Also Sec. 3.1.2	MMS Grade Abbreviation for military billets and standard designation for civilian billets.
BILLET DESCRIPTION		BILLDESC	24	A/ N	X			MCO P1200.7A	English Description of a Billet line.
BILLET SPONSOR		BILLSPON	3	A/ N	X			HQ01500.5 HQ05320.2B	The HQMC staff agency having cognizance (if any) over a particular billet line.
BILLET STATUS		STATUS/B (MLF) STATUS (AGG)	1	A	X		X	Sec. 3.3	An indicator designating a type of "non-chargeable" status of a billet line.
BRANCH		BRANCH/B (MLF) BRANCH (AGG)	1	A	X		X	Sec. 3.3	Code representing service component or civilian citizenship.
DESIGNATOR CODE			2	A/ N	X			Sec. 3 Fig. 3-3 3-11 3-12	A table designated System Generated Code that ties combinations of Branch, Type, and Billet Status Codes to english descriptions of the various officer, enlisted and civilian categories within the overall categories of Chargeable, Fleet Assistance/Contingency and Supplementary.
EDUCATION CODE		EDUC 1	2	A/ N	X			MCO P1080.20C Par. 1011	Code used to represent education requirements of a billet line by major subject. Used in conjunction with a qualifier code.
EFFECTIVE DATE		EFFDATE1	4	N	X	X		NONE	The date that the status of a T/MR record changes. It is used in conjunction with an Add/Delete Flag. (YYMM).
FOOTNOTE CODE		FTN IND	1	A	X			Sec. 3.3	A code indicating that a specific standard footnote applies to a billet line.
FOOTNOTE SEQUENCE CODE		FTN SEQ	2	N	X			NONE	A numeric code to control the sequence of multiple lines of text associated with a single footnote.
FOOTNOTE TEXT		FTN TEXT	50/	A/ N	X			See Footnote Code	A descriptive statement defining additional billet requirements not otherwise expressible by use of a data element, combination of data elements and/or the system generated English associated with a standard footnote code.
FOREIGN LANGUAGE CODE		LANG 1 LANG 2	2	A/ N	X			MCO P1080.20C Par. 1080	A code identifying a foreign language requirement of a billet line. Used in conjunction with a Qualifier Code.
GEOGRAPHIC LOCATION (G/L)		G/L	2	A/ N	X			MCO P1080.20C App. D & E	A code that identifies a foreign country, major water area or state within the United States.
MAJOR PROGRAM MEMORANDUM CODE		MPM	2	N		X		NONE	Code which identifies the categories in the "Manpower Summary by Location and Mission" format. (Previously known as Draft Presidential Memorandum Code (DPM).)
MANNING FACTOR		MF100.. MF70 or MM100-X	3	N	X			Sec. 5.2	Number authorized for a billet line at the appropriate percentage levels of manning.

DATA ELEMENT NAME	T/MR DESCRIPTION	S A/N	T A/N	M A/N	P A/N	SEC A/N	CODE REF	DESCRIPTION
...
...
MISSION, CATEGORY, AND/OR SPECIAL CODE	MOS, MOS-SCH, MOS, MOS (AC)	N	X			X	MCO Form 4	...
MOS/GRADE NATAL		79	A/N	X		X	NONE	...
NUMBER OF COPIES	COPIES	3	N		X		NONE	...
OPERATOR CODE		1	A				Sec. 3.2	...
ORGANIZATION DESCRIPTION	ORG DESC	43	A	X			NONE	...
ORGANIZATION TYPE	ORG TYPE	1	A/N	X			Sec. 3.3	...
PAY GRADE CODE	N-GRADE	2	A/N	X			Sec. 2.3	...
PERSONNEL ALLOCATION PLAN CODE	PAP	1	A/N	X			MCO P1080.20C Par. 1130	...
PROGRAM ELEMENT NUMBER	PCN	6	A/N		X		DOD Instr. 7045.7	...
PSEUDO MONITORED COMMAND CODE (P&MCC)	PSMCC	4	A/N		X		NONE	...
QUALIFIER CODE	MOS 2/Q MOS 3/Q EDUC 1/Q EDUC 2/Q LANG 1/Q LANG 2/Q SCH 1/Q SCH 2/Q	1	A	X			Sec. 3.3	...
RANK/WEAPON/MOS EXCEPTION FLAG	R/W/M	1	N	X			Sec. 3.3	...
RECORD CODE	REC CODE	1	A	X			Sec. 3.1.2	...

Figure 3-1 (Cont'd)

Figure 1-1 (Cont'd)

DATA ELEMENT DEFINITIONS

14-00000-1

14-00000-1

DATA ELEMENT NAME	CHARACTERISTICS							COBOL KEY	DEFINITION
	D E N	T/MR MNEMONIC	S I Z E	T Y P E	M L F	U N I T	A U G		
T/MR MULTIPLE (Cont'd)		COMPMULT (UNIT)					A		A code for use in Mr. contributes to the structure of the higher level T/MR. It appears in records on a higher level T/MR. It is a code for the structure of the T/MR.
T/MR NUMBER		T/MR NO	5	A/ N	X	X	X	NONE	A code identifying a table of T/MR numbers. It consists of 4 digits and possibly an alpha digit.
T/MRCA NUMBER		T/MRCA	6	N	X			NONE	A number assigned to a T/MR Change Authorization (T/MRCA) document for audit trail purposes.
TRANSACTION RECORD CODE		NONE	1	A/ N				Sec 3.1.2	A code identifying the type of 80 character transaction types used to maintain the T/MR Data Base.
TYPE		TYPE /B (MLF) TYPE (AUG)	1	A	X		X	Sec 3.1.2	A code identifying a Naval Aviator, Naval Flight Officer, Aviation Ground Officer, Other Officer (including Warrant Officer), Enlisted, or Graded/Upgraded/Excepted position.
UNIT IDENTIFICATION CODE (UIC)		UIC	6	A/ N		X		MCC PSCCC	A code assigned to all Marine Corps organizations, Regular and Reserve for reporting purposes within the National Military Command System (includes MAFRES/MAFSTAT and MAFAS).
UNIT LINE NUMBER		UNIT NO.	3	N		X		NONE	A code used to identify a unique unit record associated with a T/MR or portion of a T/MR. This element is applicable only to Unit Detail Records.
UNIT TITLE		U-TITLE	22	A/ N		X		NONE	An English title of a unit unique record; whereas unit unique is defined as a singular combination of: MCC, RUC, PSCCC, PEN, RCN, UIC, MPM, and Geo. Loc.
WEAPON CODE		WEAPON	1	A/ N	X			Sec 3.1.2	A code identifying the individual weapon authorized for a specific billet line.

3.3 T/MR DATA ELEMENT COMPENDIUM

The T/MR Data Element Compendium (figure 3-2) contains a listing of those data elements whose codes are wholly or partially unique to the T/MR system. It is organized alphabetically in terms of Data Element Name, Code, and Meaning/Remarks.

T/MR DATA ELEMENT
COMPENDIUM

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DATA ELEMENT NAME	CODE	MEANING/REMARKS
ADD/DELETE FLAG	A D	Added Deleted
ALPHA GRADE Marine - See references for Naval Grades	GEN COL LCOL MAJ CAPT LT CWO WO SGTMAJ MGYSGT 1ST SGT MSGT GYSGT SSGT SGT CPL LCPL PVT	All General Officers Colonel Lieutenant Colonel Major Captain All Lieutenants Chief Warrant Officer Warrant Officer Sergeant Major Master Gunnery Sergeant 1st Sergeant Master Sergeant Gunnery Sergeant Staff Sergeant Sergeant Corporal Lance Corporal Private First Class & Private
GRADED U.S. CIVILIANS	GS99	The "99" in the alpha grades for Graded and Ungraded Civilians represents the numeric grade or pay level respectively. When a single digit represents the grade/pay level as in "GS 7", there is a space between the alphabetic and the numeric.
GRADED IND. CIVILIANS	IS99 or IS	
UNGRADED CIVILIANS (U.S. AND IND.)	WA99 WM99	
	WB99 WP99	
	WD99 WR99	
	WF99 WS99	
	WG99 WX99	
	WI99 WY99	
	WL99	
EXCEPTED CIVILIAN	EXCP	
BILLET STATUS	C F S R X BLANK	Contingency Billet Fleet Assistance Billet Supplemental Billet (In non-FMF T/MR's, indicates a billet that is required but in excess of authorization. In FMF T/MR's, indicates billets effective only upon notification by CMC. In neither case are the billets included in chargeable totals.) Filled by Reserve not on Active Duty Other Non-Chargeable Billet Chargeable Billet
BRANCH	M N A F P C I	U. S. Marine U. S. Navy U. S. Army U. S. Air Force U. S. Coast Guard U. S. Civilian Indigenous Civilian

Figure 3-2

DATA ELEMENT NAME	CODE	MEANING/REMARKS
FOOTNOTES		
ADDITIONAL DUTY	A	This footnote will be used when the subject billet line is non-chargeable.
ADDITIONAL DUTY AS	B	This footnote will be used when the subject billet line is chargeable and performs the requirement of another non-chargeable billet or another function for which no billet line exists.
CROSS TRAINING BILLET	C	This footnote will be used to indicate a billet suitable as an Aviation/Ground cross training billet.
INTERCHANGEABLE BILLET	I	This footnote will be used to identify a pair of billet lines in a T/MR such that when one is filled by an Aviator the other is filled by a ground officer and vice versa.
Opcon of/Adcon of	O	This footnote will be used in those cases when the administrative responsibility of one organization and under the operational command of another. No system generated English. Footnote must be coded entirely in the footnote text field.
PROFICIENCY FLYING BILLET	P	This footnote will be used to indicate proficiency flying billets.
MUST BE FILLED BY MALE MARINE	M	This footnote will be used in those cases when the subject billet MOS is a MOS applicable to both Woman and Male Marines, but that special circumstances require a male Marine assignment.
SUITABLE SUBSTITUTION	S	This footnote will be used when the requirement of the subject billet line can be satisfied by other specific grade(s) or MOS(s).
MUST BE FILLED BY WOMAN MARINE	W	This footnote will be used in those cases when the subject billet MOS is a MOS applicable to both Woman and Male Marines, but that special circumstances require a Woman Marine assignment.
Miscellaneous	Z	This footnote will be used to categorize those footnotes which can not be described by the footnote data elements or the other Standard Footnotes. No system generated English. Footnote must be coded entirely in the footnote text field.
ORGANIZATION TYPE		
	1	Higher Level Structure T/MR
	2	Higher Level Planning T/MR
	3	Billet Detail Base Planning T/MR
	4	Aggregate Base Planning T/MR
	A	Aggregate Base Structure T/MR
	B	Billet Detail Base Structure T/MR

Figure 3-2 (Cont'd)

T/MR DATA ELEMENT
COMPENDIUM

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DATA ELEMENT NAME	CODE	MEANING/REMARKS
PAY GRADE	O 7	General Officer
	O 2	All Lieutenants (LTjg and Ensign)
	O 1	All CWO and WO
	E 2	All Pvt/Pfc
	# 0	Excepted Civilians
	O 3 - O 6	Appropriate to Alpha Officer Grade
	E 3 - E 9	Appropriate to Alpha Enlisted Grade
	# 1 - 18	Appropriate to GS rating for graded civilians (Note Leading #)
	# 1 - 97	Appropriate to Pay level for Wage Board Civilians (Note Leading #)
		Note Letter "O" differs from the numeric zero, "0"
PERSONNEL ALLOCATION PLAN (PA)	<u>GND</u>	<u>OPERATING FORCES</u>
	A	FMF and Non FMF Combat Commands
	C	Security Forces (Navy)
	E	Security Forces (State Dept)
	F	Security Forces (Ft Meade, Md.)
	G	Security Forces (Spec Activities)
	I	Marines Afloat
	<u>AVN</u>	<u>TRAINING BASES</u>
	J	Permanent Personnel
	R	Reserve Training Program
	<u>SUPPORTING FORCES</u>	
	T	Supply Establishment
	V	Base Services and Admin (Personnel Procurement)
	W	Base Services and Admin
	Z	Joint and Liaison duty with other Government Agencies
		Above comprises only PA codes acceptable to T/MR System
QUALIFIER	N	Necessary requirement
	D	Desirable requirement
	U	Either of two requirements (of the same type) is necessary
RANK/WEAPON/MOS EXCEPTION FLAG		This data element indicates that certain compatibility edits are by-passed. Unless otherwise specified by use of this code, all compatibility tests are performed on all Marine Billets, and a Rank/Weapon test only for Navy Billets.

Figure 3-2 (Cont'd)

T/MR DATA ELEMENT
COMPENDIUM

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DATA ELEMENT NAME	CODE	MEANING/REMARKS
EXCEPTION FLAG (Cont'd)	BLANK	Compatibility edits should be performed.
	1	Rank/Weapon compatibility edit should not be performed. Data element WEAPON should only be verified for valid weapon codes. These codes are: A, M, P, Q, R, S, U, Dash, Blank.
	2	Rank/MOS compatibility edit should not be performed. Data element MOS should only be verified against the MOS table for a valid MOS code.
	3	Rank/Weapon/MOS compatibility edit should not be performed. When Code 3 is specified, data elements WEAPON and MOS are individually verified as mentioned in Codes 1 and 2 above.
RECORD CODE	A	Organization Header Record
	C	Section Header Record
	D	Subsection Header Record
	E	Billet Line Record
	Q	Footnote Text Record
	J	Recap Detail Record
SECURITY CLEARANCE	C	Confidential
	S	Secret
	T	Top Secret
	I	Special Intelligence Access Requirement
TRANSACTION RECORD CODE	A	Basic T/MR Information
	B	T/MR Aggregate Data
	C	Section Record
	D	Sub-section Record
	E	Billet Line Record
	F	Billet Line Qualifier Record
	G	Footnote Text Record
	H	Unit Record
	I	Use Record
	J	Recap Coding
	P	Manning Factor/Multiples
	L	Control Totals
	N	Distribution
TYPE	N	Naval Aviator
	F	Naval Flight Officer
	A	Aviation Ground Officer
	O	Other Officers
	X	Enlisted
	C	Graded Civilian
	L	Ungraded Civilian
	X	Excepted Civilian

Figure 3-2 (Cont'd)

T/MR DATA ELEMENT
COMPENDIUM

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DATA ELEMENT NAME	CODE	MEANING/REMARKS
WEAPON CODE	DASH (-)	Weapon category not applicable to billet line (Marines Only);
	BLANK	None designated (other than Marines)
	A	Automatic Rifle
	M	Rifle
	P	Pistol
	Q	Revolver, Snub Nose
	R	Revolver
	S	Sub-machine Gun
	U	Unarmed

Figure 3-2 (Cont'd)

3.4 TABLE DESCRIPTION AND MAINTENANCE

3.4.1 Introduction

This section describes the internal, external, and program tables used in the T/MR system.

Tables are used in the T/MR system to provide the following capabilities:

- o Validation of data element codes
- o Verification of compatibility of data element codes
- o Provision of descriptive English for certain data elements
- o Provision of report titles
- o To provide system performance and output specification

Data element validation entails the comparison of data element codes being entered in the system with allowable codes for those elements. Compatibility tests are conducted as system edits to insure that two or more related data entries are valid. Examples are Rank vs. Weapon code, Alpha and Numeric grade, and Branch and Type. Tables are also used to provide English descriptions, titles for reports and for system performance and output specification. Examples of these latter capabilities are specification of suspended transactions and specification of which T/MRs are desired in mat format for hard copy output on a particular update.

3.4.2 T/MR Table Definitions

This section defines the types of tables used in the T/MR system.

Tables may be considered as "internal," "external," or "program" tables. These are defined as:

Internal Tables - Tables read into core for processing.

Examples are PEN, MOS and RCN codes.

External Tables - Tables which are accessed outside the T/MR system on a line by line basis with the desired lines of information being entered into the system for processing.

Program Tables - Tables that are included in the T/MR programs for reasons of efficiency. These are generally small tables of a semi-permanent nature. In the T/MR such data elements as PAP code, Billet Status code and Weapon code are handled as Program Tables. In some cases these data elements may also appear in the Internal Tables for certain system applications.

3.4.3 Table Maintenance Responsibilities

The external tables used in the T/MR are maintained by the Headquarters Marine Corps Data Systems Division. Internal tables are maintained by the Manpower Control Branch (AOIE) and Program tables are maintained (if required) by changes to the T/MR programs.

On the infrequent occasion that a Program table entry is changed, the changes are made by the programmers of the Data System Division using the appropriate program detailed design contained in the T/MR Technical Manual. Data elements contained in Program Tables are:

ADD/DELETE FLAG

ALPHA GRADE (UNGRADED CIVILIANS CATEGORIES)

BILLET STATUS

BRANCH

MAJOR PROGRAM MEMORANDUM CODE

ORGANIZATIONAL TYPE CODE

PAP CODE

QUALIFIER: D, N or U

RANK/WEAPON/MOS EXCEPTION FLAG

SECURITY CLEARANCE

SEP FLAG

STANDARD FOOTNOTE CODES

TRANSACTION RECORD CODE/OPERATOR CODE
(LEGAL COMBINATIONS)

TYPE

WEAPON CODE

3.4.4 Maintenance of T/MR Internal Tables

There are four types of T/MR Internal Tables to be maintained.

While four types of Internal Tables are considered, the maintenance procedures for each of these types is essentially the same. The difference between types of Internal T/MR Tables is a function of the system use, hence the frequency and/or necessity for table update.

The four Internal Table types are defined as follows:

- F = Functional tables - tables required for system operation. See Section 5.5 for a discussion of the use of the Functional tables.
- M = Maintenance tables - tables required for special system maintenance procedures. See Section 5.6 for a discussion of the use of the Maintenance tables.
- R = Reports tables - tables associated with reports production. See Section 6 for identification of those reports related to a specific table.
- D = Reference/Edit tables - tables associated with data reference and validation.

3.4.5

Use of the Reference/Edit Tables in the T/MR System

The Reference/Edit tables are listed below:

ADHOCNAM

A/N - RANK

DESIGNCON

DESIGNDEF

EDUC

LANGUAGE

MOS-TBL

PEN-TBL

RCN-TBL

SERV-SCH

STD FTN

These tables are used for reference and edit purposes. They will require maintenance when a data element such as PEN code or RCN code changes, and when a T/MR change is authorized which uses an Education, Foreign Language or Service School code not on the T/MR table file. When this latter situation exists, the analyst, using the Manpower Management Codes Manual will update the table to include the desired element. Due to space limitations, it is required that the English description associated with any T/MR table element (if applicable) contain 30 or less characters.

3.4.6 Manpower Control Branch T/MR Table Maintenance Procedures

T/MR table maintenance will be performed using the procedures and forms of the MARK IV system. Figure 3-3 is a chart of the T/MR Internal Tables. Additional comments appear on Figures 3-4 through 3-26 as appropriate. This chart contains the following information for each T/MR Table:

- o Table Name
- o Table Type *
- o Table Element/s
- o Table Function
- o System Functional Referenc
- o Update Form Figure Reference

* The X suffix (when used) indicates that this table is automatically purged after use.

Using this chart, table maintenance update is reduced to completion of the referenced form for the table to be updated.

In completing the appropriate form (Mark IV TB form), the table element name appearing in the form heading will be placed in columns 1-8. Unless otherwise indicated, the code of the data element (argument) will be placed starting in column 13. The code English description (30 characters maximum) or other applicable code, if any, will be placed starting in column 43. The completed table maintenance coding forms will be key punched and processed according to established Manpower Control Branch procedures.

T/MR INTERNAL TABLES

TABLE NAME	TYPE	TABLE ELEMENT/S	TABLE FUNCTION	SYSTEM FUNCTION REF.	UPPER CASE FIGURE REF.
ADHOCNAM	D	REQUEST NAMES	Description of Request Names assigned to ad hoc retrievals. The description is used as a heading on all report pages generated in the retrieval and specifies up to 7 control break rules.	Sec. 3.4	Fig. 3-4
A/N-RANK	D	RANK CODE	Edit - used to validate input of the same data element	Sec. 3.4	Fig. 3-4
B5-LN-CH	MX	T/MR NO. & LINE NO (Combinations)	Table used to reposition line numbers when a T/MR contains T/MR number, present line number and new T/MR line number	Sec. 3.6	Fig. 3-5
B5R-D/C	MX	T/MR NO.	Table used to redesignate a T/MR with the number of a T/MR already on file and delete the old T/MRs. Table contains present T/MR numbers and operator codes of D (delete) and C (change).	Sec. 3.6	Fig. 3-6
B5R-DUAL	MX	T/MR NO.	This table is used to create duplicate image of a T/MR with a new T/MR number. It presents T/MR number and new T/MR number.	Sec. 3.6	Fig. 3-7
B5-SEQ	MX	T/MR LINE NO.	Table used to resequence T/MR line numbers, eliminating all Alpha suffixes, contains T/MR number of T/MR(s) to be resequenced.	Sec. 3.6	Fig. 3-8
CQA-T/MR	R	T/MR NO	Table of all T/MRs for which a Civilian Grade Average report is to be produced	Sec. 6	Fig. 3-9
CHKLTBL	FX	T/MR NO.	Table of T/MRs for which checklists are desired which would not be produced automatically	Sec. 3.5	Fig. 3-10
DESIGCCN	D	BRANCH, TYPE & BILLET STATUS	Table used to convert a combination of T/MR data elements - BRANCH, TYPE and BILLET STATUS to a common designator code for use in report group sequencing when Recapitulation by MOS reports are produced	Sec. 3.4	Fig. 3-11
DESIGDEF	D	DESIGNATOR CODE	Table of Designator Code descriptions	Sec. 3.4	Fig. 3-12
DUPLITBL	FX	T/MR NO.	Table of Base T/MRs for which duplirnats are desired which would not be produced automatically	Sec. 3.5	Fig. 3-13
EDUC	D	EDUCATION CODE	Edit - used to validate input of the same data element	Sec. 3.4	Fig. 3-14
HTF *	D	MCC	Edit - used to validate input of the same data element	AP	none
HTF *	D	RUC	Edit - used to validate input of the same data element	AP	none
HTF *	D	GEO, LOC.	Edit - used to validate input of the same data element	AP	none
LANGUAGE	D	LANGUAGE CODE	Edit - used to validate input of the same data element	Sec. 3.4	Fig. 3-15

* Headquarters Marine Corps Tables - not part of the T/MR Tables File
File name DEN = HQMCI.AP12.C5320.PT32HTF - AP maintains

TYPE Legend:

F = Functional Tables - Tables required for system operation
M = Maintenance Tables - Tables required for special maintenance procedures
R = Reports Tables - Tables associated with reports production
D = Reference/Edit Tables - Tables associated with data validation and reference

X = Used as the suffix for a table type - indicates that the table is purged after each Edit/Audit, Update, Report run or File Maintenance run.

Figure 3-3

T/MR INTERNAL TABLES (Cont'd)

TABLE NAME	TYPE	TABLE ELEMENT/S	TABLE FUNCTION	SYSTEM FUNCT. REF.	UPDATE FORM FIGURE REF.
MFWSBL	RX	T/MR NO.	Table of T/MRs for which Manning Factor Worksheets are to be produced during a specific report processing run	Sec. 6	Fig. 3-16
MOS-TBL	D	MOS OE CODE RANKSPREAD	Edit - used to validate input of the same data element Validation of Type and Rank code Edit and Validation of Pay Grade code	Sec. 3.4	Fig. 3-17
PAP-TBL	R	PAP CODE	Table of PAP Functional Categories which group various PAP codes for summarization on the PAP Report	Sec. 6	Fig. 3-18
PEN-TBL	D	PEN NO.	Edit - used to validate input of the same data element	Sec. 3.4	Fig. 3-19
RCN TBL	D	RCN NO.	Edit - used to validate input of the same data element	Sec. 3.4	Fig. 3-20
RECAPDUP	FX	T/MR NO. (Higher Level)	Table of Higher Level T/MRs for which a Higher Level T/MR Recap report should be produced on Duplmat forms	Sec. 5.5	Fig. 3-21
SERV/SCH	D	SERVICE SCHOOL CODE	Edit - used to validate input of the same data element	Sec. 3.4	Fig. 3-22
STD FTN	D	STANDARD FOOTNOTE CODE	Table of Standard footnote descriptions	Sec. 2.4	Fig. 3-23
SUSPEND	F	T/MRCA NO.	Table of T/MRCA numbers which are not to be included in the current month's update process	Sec. 5.5	Fig. 3-24
T/MR-SUM	R	T/MR NO. & T/MR NO. - MCC (Combinations)	Table of T/MRs and T/MR-MCC combinations for which T/MR summary cards are to be produced	Sec. 6	Fig. 3-25
UNGRITBL	RX	T/MR NO.	Table of T/MRs for which the Ungraded Category/ Paylevel matrix report is to be produced	Sec. 6	Fig. 3-26

TABLE DEFINITION

TABLE NAME **65R-316** FORM CODE **T.B. 9 10**

TABLE TYPE		DELETE?		PRINT TABLE		ARGUMENT		RESULT		DECK I.D.	
1	1	12	13	14	15	16	17	18	19	20	21
2	2	12	13	14	15	16	17	18	19	20	21
3	3	12	13	14	15	16	17	18	19	20	21
4	4	12	13	14	15	16	17	18	19	20	21
5	5	12	13	14	15	16	17	18	19	20	21
6	6	12	13	14	15	16	17	18	19	20	21
7	7	12	13	14	15	16	17	18	19	20	21
8	8	12	13	14	15	16	17	18	19	20	21
9	9	12	13	14	15	16	17	18	19	20	21
10	10	12	13	14	15	16	17	18	19	20	21
11	11	12	13	14	15	16	17	18	19	20	21
12	12	12	13	14	15	16	17	18	19	20	21
13	13	12	13	14	15	16	17	18	19	20	21
14	14	12	13	14	15	16	17	18	19	20	21
15	15	12	13	14	15	16	17	18	19	20	21
16	16	12	13	14	15	16	17	18	19	20	21
17	17	12	13	14	15	16	17	18	19	20	21
18	18	12	13	14	15	16	17	18	19	20	21
19	19	12	13	14	15	16	17	18	19	20	21
20	20	12	13	14	15	16	17	18	19	20	21
21	21	12	13	14	15	16	17	18	19	20	21
22	22	12	13	14	15	16	17	18	19	20	21
23	23	12	13	14	15	16	17	18	19	20	21
24	24	12	13	14	15	16	17	18	19	20	21
25	25	12	13	14	15	16	17	18	19	20	21
26	26	12	13	14	15	16	17	18	19	20	21
27	27	12	13	14	15	16	17	18	19	20	21
28	28	12	13	14	15	16	17	18	19	20	21
29	29	12	13	14	15	16	17	18	19	20	21
30	30	12	13	14	15	16	17	18	19	20	21
31	31	12	13	14	15	16	17	18	19	20	21
32	32	12	13	14	15	16	17	18	19	20	21
33	33	12	13	14	15	16	17	18	19	20	21
34	34	12	13	14	15	16	17	18	19	20	21
35	35	12	13	14	15	16	17	18	19	20	21
36	36	12	13	14	15	16	17	18	19	20	21
37	37	12	13	14	15	16	17	18	19	20	21
38	38	12	13	14	15	16	17	18	19	20	21
39	39	12	13	14	15	16	17	18	19	20	21
40</											

[illegible]

Figure 3-6

MIA K
IV

FILE MANAGEMENT SYSTEM

TABLE DEFINITION

informatics inc

FORM CODE

TABLE NAME
BER-DUAL

TABLE TYPE
S

DELETE? ☐ 12
PRINT TABLE ☐ 13

ARGUMENT

DATA TYPE
C

LENGTH
5

DECIMAL PLACES
18

RESULT

DATA TYPE
C

LENGTH
5

DECIMAL PLACES
23

PAGE 1 OF 1

DECK I.D.

73 80

TABLE NAME	FORM CODE	TABLE TYPE	DELETE?	PRINT TABLE	ARGUMENT	RESULT	ARGUMENT VALUE	RESULT VALUE
BER-DUAL	TE	S	<input type="checkbox"/> 12	<input type="checkbox"/> 13	DATA TYPE C LENGTH 5 DECIMAL PLACES 18	DATA TYPE C LENGTH 5 DECIMAL PLACES 23		
1	8	9	10	11	12	13	18	23
2	10	11	12	13	18	23	28	33
3	11	12	13	18	23	28	33	38
4	12	13	18	23	28	33	38	43
5	13	18	23	28	33	38	43	48
6	18	23	28	33	38	43	48	53
7	23	28	33	38	43	48	53	58
8	28	33	38	43	48	53	58	63
9	33	38	43	48	53	58	63	68
10	38	43	48	53	58	63	68	73
11	43	48	53	58	63	68	73	78
12	48	53	58	63	68	73	78	83
13	53	58	63	68	73	78	83	88
14	58	63	68	73	78	83	88	93
15	63	68	73	78	83	88	93	98
16	68	73	78	83	88	93	98	103
17	73	78	83	88	93	98	103	108
18	78	83	88	93	98	103	108	113
19	83	88	93	98	103	108	113	118
20	88	93	98	103	108	113	118	123
21	93	98	103	108	113	118	123	128
22	98	103	108	113	118	123	128	133
23	103	108	113	118	123	128	133	138
24	108	113	118	123	128	133	138	143
25	113	118	123	128	133	138	143	148
26	118	123	128	133	138	143	148	153
27	123	128	133	138	143	148	153	158
28	128	133	138	143	148	153	158	163
29	133	138	143	148	153	158	163	168
30	138	143	148	153	158	163	168	173
31	143	148	153	158	163	168	173	178
32	148	153	158	163	168	173	178	183
33	153	158	163	168	173	178	183	188
34	158	163	168	173	178	183	188	193
35	163	168	173	178	183	188	193	198
36	168	173	178	183	188	193	198	203
37	173	178	183	188	193	198	203	208
38	178	183	188	193	198	203	208	213
39	183	188	193	198	203	208	213	218
40	188	193	198	203	208	213	218	223
41	193	198	203	208	213	218	223	228
42	198	203	208	213	218	223	228	233
43	203	208	213	218	223	228	233	238
44	208	213	218	223	228	233	238	243
45	213	218	223	228	233	238	243	248
46	218	223	228	233	238	243	248	253
47	223	228	233	238	243	248	253	258
48	228	233	238	243	248	253	258	263
49	233	238	243	248	253	258	263	268
50	238	243	248	253	258	263	268	273
51	243	248	253	258	263	268	273	278
52	248	253	258	263	268	273	278	283
53	253	258	263	268	273	278	283	288
54	258	263	268	273	278	283	288	293
55	263	268	273	278	283	288	293	298
56	268	273	278	283	288	293	298	303
57	273	278	283	288	293	298	303	308
58	278	283	288	293	298	303	308	313
59	283	288	293	298	303	308	313	318
60	288	293	298	303	308	313	318	323
61	293	298	303	308	313	318	323	328
62	298	303	308	313	318	323	328	333
63	303	308	313	318	323	328	333	338
64	308	313	318	323	328	333	338	343
65	313	318	323	328	333	338	343	348
66	318	323	328	333	338	343	348	353
67	323	328	333	338	343	348	353	358
68	328	333	338	343	348	353	358	363
69	333	338	343	348	353	358	363	368
70	338	343	348	353	358	363	368	373
71	343	348	353	358	363	368	373	378
72	348	353	358	363	368	373	378	383
73	353	358	363	368	373	378	383	388
74	358	363	368	373	378	383	388	393
75	363	368	373	378	383	388	393	398
76	368	373	378	383	388	393	398	403
77	373	378	383	388	393	398	403	408
78	378	383	388	393	398	403	408	413
79	383	388	393	398	403	408	413	418
80	388	393	398	403	408	413	418	423
81	393	398	403	408	413	418	423	428
82	398	403	408	413	418	423	428	433
83	403	408	413	418	423	428	433	438
84	408	413	418	423	428	433	438	443
85	413	418	423	428	433	438	443	448
86	418	423	428	433	438	443	448	453
87	423	428	433	438	443	448	453	458
88	428	433	438	443	448	453	458	463
89	433	438	443	448	453	458	463	468
90	438	443	448	453	458	463	468	473
91	443	448	453	458	463	468	473	478
92	448	453	458	463	468	473	478	483
93	453	458	463	468	473	478	483	488
94	458	463	468	473	478	483	488	493
95	463	468	473	478	483	488	493	498
96	468	473	478	483	488	493	498	503
97	473	478	483	488	493	498	503	508
98	478	483	488	493	498	503	508	513
99	483	488	493	498	503	508	513	518
100	488	493	498	503	508	513	518	523

NEW T/MR NUMBER OF LOOK-A-LIKE T/MR TO BE CREATED- LEFT JUSTIFIED.

T/MR NUMBER OF EXISTING T/MR ON THE FILE - LEFT JUSTIFIED

THIS TABLE ALLOWS THE USER TO CREATE A DUPLICATE IMAGE OF A T/MR ALREADY ON THE FILE. BOTH IMAGES REMAIN ON THE FILE.

CAUTION

THE USER MUST CONSIDER REQUIRED CHANGES TO THE MULTIPLES, ORGANIZATIONAL TYPE ETC. OF THE LOOK-A-LIKE T/MR CREATED.

Figure 3-7



FILE MANAGEMENT SYSTEM

Informatics inc

TABLE DEFINITION

FORM CODE 9 10

TABLE NAME 8

TABLE TYPE 11

DELETE? ☐ 12

PRINT TABLE ☐ 13

ARGUMENT

DATA TYPE 17

LENGTH 14 16

DECIMAL PLACES 18

RESULT

DATA TYPE 22

LENGTH 19 21

DECIMAL PLACES 23

PAGE 1 OF 1

DECK 1 D

TABLE NAME	FORM CODE	TABLE TYPE	DELETE?	PRINT TABLE	ARGUMENT	RESULT	ARGUMENT VALUE	RESULT VALUE
1.	8	9,10	11	12	13	14	15	16
2.	9	10	11	12	13	14	15	16
3.	10	11	12	13	14	15	16	17
4.	11	12	13	14	15	16	17	18
5.	12	13	14	15	16	17	18	19
6.	13	14	15	16	17	18	19	20
7.	14	15	16	17	18	19	20	21
8.	15	16	17	18	19	20	21	22
9.	16	17	18	19	20	21	22	23
10.	17	18	19	20	21	22	23	24
11.	18	19	20	21	22	23	24	25
12.	19	20	21	22	23	24	25	26
13.	20	21	22	23	24	25	26	27
14.	21	22	23	24	25	26	27	28
15.	22	23	24	25	26	27	28	29
16.	23	24	25	26	27	28	29	30
17.	24	25	26	27	28	29	30	31
18.	25	26	27	28	29	30	31	32
19.	26	27	28	29	30	31	32	33
20.	27	28	29	30	31	32	33	34
21.	28	29	30	31	32	33	34	35
22.	29	30	31	32	33	34	35	36
23.	30	31	32	33	34	35	36	37
24.	31	32	33	34	35	36	37	38
25.	32	33	34	35	36	37	38	39
26.	33	34	35	36	37	38	39	40
27.	34	35	36	37	38	39	40	41
28.	35	36	37	38	39	40	41	42
29.	36	37	38	39	40	41	42	43
30.	37	38	39	40	41	42	43	44
31.	38	39	40	41	42	43	44	45
32.	39	40	41	42	43	44	45	46
33.	40	41	42	43	44	45	46	47
34.	41	42	43	44	45	46	47	48
35.	42	43	44	45	46	47	48	49
36.	43	44	45	46	47	48	49	50
37.	44	45	46	47	48	49	50	51
38.	45	46	47	48	49	50	51	52
39.	46	47	48	49	50	51	52	53
40.	47	48	49	50	51	52	53	54
41.	48	49	50	51	52	53	54	55
42.	49	50	51	52	53	54	55	56
43.	50	51	52	53	54	55	56	57
44.	51	52	53	54	55	56	57	58
45.	52	53	54	55	56	57	58	59
46.	53	54	55	56	57	58	59	60
47.	54	55	56	57	58	59	60	61
48.	55	56	57	58	59	60	61	62
49.	56	57	58	59	60	61	62	63
50.	57	58	59	60	61	62	63	64
51.	58	59	60	61	62	63	64	65
52.	59	60	61	62	63	64	65	66
53.	60	61	62	63	64	65	66	67
54.	61	62	63	64	65	66	67	68
55.	62	63	64	65	66	67	68	69
56.	63	64	65	66	67	68	69	70
57.	64	65	66	67	68	69	70	71
58.	65	66	67	68	69	70	71	72
59.	66	67	68	69	70	71	72	73
60.	67	68	69	70	71	72	73	74
61.	68	69	70	71	72	73	74	75
62.	69	70	71	72	73	74	75	76
63.	70	71	72	73	74	75	76	77
64.	71	72	73	74	75	76	77	78
65.	72	73	74	75	76	77	78	79
66.	73	74	75	76	77	78	79	80
67.	74	75	76	77	78	79	80	81
68.	75	76	77	78	79	80	81	82
69.	76	77	78	79	80	81	82	83
70.	77	78	79	80	81	82	83	84
71.	78	79	80	81	82	83	84	85
72.	79	80	81	82	83	84	85	86
73.	80	81	82	83	84	85	86	87
74.	81	82	83	84	85	86	87	88
75.	82	83	84	85	86	87	88	89
76.	83	84	85	86	87	88	89	90
77.	84	85	86	87	88	89	90	91
78.	85	86	87	88	89	90	91	92
79.	86	87	88	89	90	91	92	93
80.	87	88	89	90	91	92	93	94
81.	88	89	90	91	92	93	94	95
82.	89	90	91	92	93	94	95	96
83.	90	91	92	93	94	95	96	97
84.	91	92	93	94	95	96	97	98
85.	92	93	94	95	96	97	98	99
86.	93	94	95	96	97	98	99	100
87.	94	95	96	97	98	99	100	101
88.	95	96	97	98	99	100	101	102
89.	96	97	98	99	100	101	102	103
90.	97	98	99	100	101	102	103	104
91.	98	99	100	101	102	103	104	105
92.	99	100	101	102	103	104	105	106
93.	100	101	102	103	104	105	106	107
94.	101	102	103	104	105	106	107	108
95.	102	103	104	105	106	107	108	109
96.	103	104	105	106	107	108	109	110
97.	104	105	106	107	108	109	110	111
98.	105	106	107	108	109	110	111	112
99.	106	107	108	109	110	111	112	113
100.	107	108	109	110	111	112	113	114
101.	108	109	110	111	112	113	114	115
102.	109	110	111	112	113	114	115	116
103.	110	111	112	113	114	115	116	117
104.	111	112	113	114	115	116	117	118
105.	112	113	114	115	116	117	118	119
106.	113	114	115	116	117	118	119	120
107.	114	115	116	117	118	119	120	121
108.	115	116	117	118	119	120	121	122
109.	116	117	118	119	120	121	122	123
110.	117	118	119	120	121	122	123	124
111.	118	119	120	121	122	123	124	125
112.	119	120	121	122	123	124	125	126
113.	120	121	122	123	124	125	126	127
114.	121	122	123	124	125	126	127	128
115.	122	123	124	125	126	127	128	129
116.	123	124	125	126	127	128	129	130
117.	124	125	126	127	128	129	130	131
118.	125	126	127	128	129	130	131	132
119.	126	127	128	129	130	131	132	133
120.	127	128	129	130	131	132	133	134
121.	128	129	130	131	132	133	134	135
122.	129	130	131	132	133	134	135	136
123.	130	131	132	133	134	135	136	137
124.	131	132	133	134	135	136	137	138
125.	132	133	134	135	136	137	138	139
126.	133	134	135	136	137	138	139	140
127.	134	135	136	137	138	139	140	141
128.	135	136	137	138	139	140	141	142
129.	136	137	138	139	140	141	142	143
130.	137	138	139	140	141	142	143	144
131.	138	139	140	141	142	143	144	145
132.	139	140	141	142	143	144	145	146
133.	140	141	142	143	144	145	146	147
134.	141	142	143	144	145	146	147	148
135.	142	143	144	145	146	147	148	149
136.	143	144	145	146	147	148	149	150
137.	144	145	146	147	148	149	150	151
138.	145	146	147	148	149	150	151	152
139.	146	147	148	149	150	151	152	153
140.	147	148	149	150	151	152	153	154
141.	148	149	150	151	152	153	154	155
142.	149	150	151	152	153	154	155	156
143.	150	151	152	153	154	155	156	157
144.	151	152	153	154	155	156	157	158
145.	152	153	154	155	156	157	158	159
146.	153	154	155	156	157	158	159	160
147.	154	155	156	157	158	159	160	161
148.	155	156	157	158	159	160	161	162
149.	156	157	158	159	160	161	162	163
150.	157	158	159	160	161	162	163	164
151.	158	159	160	161	162	163	164	165
152.	159	160	161	162	163	164	165	166
153.	160	161	162	163	164	165	166	167
154.	161	162	163	164	165	166	167	168
155.	162	163	164	165	166	167	168	169
156.	163	164	165	166	167	168	169	170
157.	164	165	166	167	168	169	170	171
158.	165	166	167	168	169	170	171	172
159.	166	167	168	169	170	171	172	173
160.	167	168	169	170	171	172	173	174
161.	168	169	170	171	172	173	174	175
162.	169	170	171	172	173	174	175	176
163.	170	171	172	173	174	175	176	177
164.	171	172	173	174	175	176	177	178
165.	172	173	174	175	176	177	178	179
166.	173	174	175	176	177	178	179	180
167.	174	175	176	177	178			

TABLE DEFINITION

TABLE TYPE		DELETE?		PRINT TABLE		ARGUMENT		RESULT	
5	11	<input type="checkbox"/>	12	<input type="checkbox"/>	13	LENGTH	DATA TYPE	DECIMAL PLACES	DATA TYPE
						14 15 16	C		C
							17	18	19 20 21 22 23

[illegible]

Figure 3-9

TABLE DEFINITION

1	C.H.K.L.T.H.	TABLE NAME	T.B.	FORM CODE
2				9 10

TABLE NAME
C.H.K.L.T.E.L.

ARGUMENT			RESULT		
LENGTH	DATA TYPE	DECIMAL PLACES	LENGTH	DATA TYPE	DECIMAL PLACES
14 16	C		19 21	C	23
5			2		

DATA TYPE	RESULT
22	22
19	19
21	21

TABLE TYPE	DELETE?	PRINT TABLE
5		
11		
12		
13		

TABLE NAME	CONTINUATION													DELETED												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
TNR	ARGUMENT VALUE													RESULT VALUE												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1. 1	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
2. 2	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
3. 3	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
4. 4	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
5. 5	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
6. 6	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
7. 7	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
8. 8	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
9. 9	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
10. 10	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
11. 11	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
12. 12	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
13. 13	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
14. 14	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
15. 15	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
16. 16	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
17. 17	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
18. 18	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
19. 19	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
20. 20	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
21. 21	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
22. 22	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
23. 23	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		
24. 24	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE	TE		

IF THE T/NR NUMBER REFERS TO A HIGHER LEVEL, A "1" MUST BE PLACED IN COLUMN 43, OTHERWISE THIS COLUMN IS LEFT BLANK.

T/NR NUMBER FOR WHICH A CHECKLIST FORMAT OUTPUT IS DESIRED. FOR BASE T/NR'S BOTH A BULLET LINE DETAIL AND RECAP OUTPUT WILL BE PRODUCED - LEFT JUSTIFIED.

NOTE
THIS TABLE PROVIDES THE USER WITH THE CAPABILITY TO OBTAIN CHECKLISTS FOR T/NR'S NOT AUTOMATICALLY PROVIDED BY THE EDIT/AUDIT OR UPDATE PROCESS.

IF THE T/MR NUMBER REFERS TO A HIGHER LEVEL, A "1" MUST BE PLACED IN COLUMN 43, OTHERWISE THIS COLUMN IS LEFT BLANK.

T/ MR NUMBER FOR WHICH A CHECKLIST FORMAT OUTPUT IS DESIRED, FOR BASE T/ MR'S BOTH A BULLET LINE DETAIL AND RECAP OUTPUT WILL BE PRODUCED - LEFT BUSTIER

NOTE
THIS TABLE PROVIDES THE USER WITH THE CAPABILITY TO OBTAIN CHECKLISTS FOR T/NIR'S NOT AUTOMATICALLY PROVIDED BY THE EDIT/AUDIT OR UPDATE PROCESS.

TABLE DEFINITION

DESIGNATION	TABLE NAME	FORM CODE
1		9 10
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ARGUMENT			RESULT			DECY I. D.
LENGTH	DATA TYPE	DECIMAL PLACES	LENGTH	DATA TYPE	DECIMAL PLACES	
1.4 15 3	2	1.8	19 21 2	2	23	73 80

TABLE NAME	FORM NO.	CONTINUATION	ARGUMENT VALUE												RESULT VALUE																																																										
			11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72									
DESIGNATOR	TE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
	TE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
	TE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
	TE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
	TE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
	TE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
	TE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
	TE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
	TE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
	TE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72

COMBINATION OF BRANCH, TYPE AND BILLET STATUS CODES - LEFT JUSTIFIED.

ONE OR TWO CHARACTER DESIGNATOR CODE - RIGHT JUSTIFIED.

EXPLANATION

THIS TABLE ESTABLISHES A DESIGNATOR CODE RELATIONSHIP TO ASSURE PROPER SORTING SEQUENCE IN THE AGGREGATION AND DISPLAY OF TOTALS ON RECAP OUTPUT. SEE FIGURE 3-12 DESIGNDEF TABLE.

Figure 3-11

TABLE DEFINITION

DESIGNEE: [REDACTED] T.B. 9 10

TABLE		PRINT		ARGUMENT		RESULT		DECK I. O.	
TYPE	DELETE?	TABLE	DELETE?	LENGTH	DATA TYPE	DECIMAL PLACES	LENGTH	DATA TYPE	DECIMAL PLACES
3	<input type="checkbox"/>	17	<input type="checkbox"/>	2	2	18	3.0	22	23
	<input type="checkbox"/>	16	<input type="checkbox"/>	14	2	18	3.0	22	23
	<input type="checkbox"/>	15	<input type="checkbox"/>	14	2	18	3.0	22	23
	<input type="checkbox"/>	14	<input type="checkbox"/>	14	2	18	3.0	22	23
	<input type="checkbox"/>	13	<input type="checkbox"/>	14	2	18	3.0	22	23
	<input type="checkbox"/>	12	<input type="checkbox"/>	14	2	18	3.0	22	23
	<input type="checkbox"/>	11	<input type="checkbox"/>	14	2	18	3.0	22	23
	<input type="checkbox"/>	10	<input type="checkbox"/>	14	2	18	3.0	22	23
	<input type="checkbox"/>	9	<input type="checkbox"/>	14	2	18	3.0	22	23
	<input type="checkbox"/>	8	<input type="checkbox"/>	14	2	18	3.0	22	23
	<input type="checkbox"/>	7	<input type="checkbox"/>	14	2	18	3.0	22	23
	<input type="checkbox"/>	6	<input type="checkbox"/>	14	2	18	3.0	22	23
	<input type="checkbox"/>	5	<input type="checkbox"/>	14	2	18	3.0	22	23
	<input type="checkbox"/>	4	<input type="checkbox"/>	14	2	18	3.0	22	23
	<input type="checkbox"/>	3	<input type="checkbox"/>	14	2	18	3.0	22	23
	<input type="checkbox"/>	2	<input type="checkbox"/>	14	2	18	3.0	22	23
	<input type="checkbox"/>	1	<input type="checkbox"/>	14	2	18	3.0	22	23

[illegible]

6 THE FOLLOWING ARE THE NAMES OF THE PERSONS WHOSE NAMES ARE ON THE LIST:

Figure 3-12



FILE MANAGEMENT SYSTEM

informatics inc.

FORM CODE

TABLE NAME
DUPLTBL 8

TABLE TYPE
S

DELETE? 12

PRINT TABLE 13

ARGUMENT DATA TYPE 17

LENGTH 14 16

DECIMAL PLACES 18

RESULT DATA TYPE 22

LENGTH 19 21

DECIMAL PLACES 23

PAGE 1 OF 1

CHECK I.D.

73 80

TABLE DEFINITION

TABLE NAME	TABLE TYPE	DELETE?	PRINT TABLE	ARGUMENT DATA TYPE	LENGTH	DECIMAL PLACES	RESULT DATA TYPE	LENGTH	DECIMAL PLACES	RESULT VALUE
1. DUPLTBL	S	12	13	17	14 16	18	22	19 21	23	24
2. DUPLTBL	T									25
3. DUPLTBL	T									26
4. DUPLTBL	T									27
5. DUPLTBL	T									28
6. DUPLTBL	T									29
7. DUPLTBL	T									30
8. DUPLTBL	T									31
9. DUPLTBL	T									32
10. DUPLTBL	T									33
11. DUPLTBL	T									34
12. DUPLTBL	T									35
13. DUPLTBL	T									36
14. DUPLTBL	T									37
15. DUPLTBL	T									38
16. DUPLTBL	T									39
17. DUPLTBL	T									40
18. DUPLTBL	T									41
19. DUPLTBL	T									42
20. DUPLTBL	T									43
21. DUPLTBL	T									44
22. DUPLTBL	T									45
23. DUPLTBL	T									46
24. DUPLTBL	T									47
25. DUPLTBL	T									48
26. DUPLTBL	T									49
27. DUPLTBL	T									50
28. DUPLTBL	T									51
29. DUPLTBL	T									52
30. DUPLTBL	T									53
31. DUPLTBL	T									54
32. DUPLTBL	T									55
33. DUPLTBL	T									56
34. DUPLTBL	T									57
35. DUPLTBL	T									58
36. DUPLTBL	T									59
37. DUPLTBL	T									60
38. DUPLTBL	T									61
39. DUPLTBL	T									62
40. DUPLTBL	T									63
41. DUPLTBL	T									64
42. DUPLTBL	T									65
43. DUPLTBL	T									66
44. DUPLTBL	T									67
45. DUPLTBL	T									68
46. DUPLTBL	T									69
47. DUPLTBL	T									70
48. DUPLTBL	T									71
49. DUPLTBL	T									72
50. DUPLTBL	T									73
51. DUPLTBL	T									74
52. DUPLTBL	T									75
53. DUPLTBL	T									76
54. DUPLTBL	T									77
55. DUPLTBL	T									78
56. DUPLTBL	T									79
57. DUPLTBL	T									80
58. DUPLTBL	T									81
59. DUPLTBL	T									82
60. DUPLTBL	T									83
61. DUPLTBL	T									84
62. DUPLTBL	T									85
63. DUPLTBL	T									86
64. DUPLTBL	T									87
65. DUPLTBL	T									88
66. DUPLTBL	T									89
67. DUPLTBL	T									90
68. DUPLTBL	T									91
69. DUPLTBL	T									92
70. DUPLTBL	T									93
71. DUPLTBL	T									94
72. DUPLTBL	T									95
73. DUPLTBL	T									96
74. DUPLTBL	T									97
75. DUPLTBL	T									98
76. DUPLTBL	T									99
77. DUPLTBL	T									100
78. DUPLTBL	T									101
79. DUPLTBL	T									102
80. DUPLTBL	T									103
81. DUPLTBL	T									104
82. DUPLTBL	T									105
83. DUPLTBL	T									106
84. DUPLTBL	T									107
85. DUPLTBL	T									108
86. DUPLTBL	T									109
87. DUPLTBL	T									110
88. DUPLTBL	T									111
89. DUPLTBL	T									112
90. DUPLTBL	T									113
91. DUPLTBL	T									114
92. DUPLTBL	T									115
93. DUPLTBL	T									116
94. DUPLTBL	T									117
95. DUPLTBL	T									118
96. DUPLTBL	T									119
97. DUPLTBL	T									120
98. DUPLTBL	T									121
99. DUPLTBL	T									122
100. DUPLTBL	T									123

T-NR NUMBER OF BASE T-NR
FOR WHICH DUPLINATS ARE
DESIRED DURING AN UPDATE OR
EDIT AUDIT - LEFT JUSTIFIED.

NOTE

BASE T-NR'S EFFECTED DURING AN UPDATE ARE AUTOMATICALLY
PRODUCED IN BILLET LINE AND RECAP DETAIL HENCE NEED NOT BE
REQUESTED BY THIS TABLE.

DUPLINATS OF HIGHER LEVEL T-NR'S ARE PRODUCED BY USE OF
THE RECAP DUP TABLE, FIGURE 3-21.

Figure 3-13

TABLE DEFINITION

TABLE NAME	FORM CODE
EDUC	T.B. 9 10

TABLE TYPE	DELETE?	PRINT TABLE
<input checked="" type="checkbox"/> 11	<input type="checkbox"/> 12	<input checked="" type="checkbox"/> 13

ARGUMENT	DATA TYPE	DECIMAL PLACES
LENGTH	17	18
2	17	18

LENGTH	DATA TYPE	DECIMAL PLACES
3	2	0
19 21	22	23

[illegible]

TABLE OF CONTENTS

Figure 3-16

TABLE DEFINITION

[illegible]

Figure 3-17

TABLE DEFINITION

TABLE NAME	FORM CODE
P.A.P.-T.B.L.	T.B 9 10

TABLE
TYPE **S** 11

DELETE? ☐ 12

PRINT
TABLE ☐ 13

LENGTH 7

DATA TYPE	UNIT
1	1

CRIMINAL
FACES

LENGTH 2.9

DATE:	TYPE:	<input checked="" type="checkbox"/>
-------	-------	-------------------------------------

DECIMAL PLACES

73

D.

[illegible][illegible]

TABLE DEFINITION

ARGUMENT			RESULT		
LENGTH	DATA TYPE	DECIMAL PLACES	LENGTH	DATA TYPE	DECIMAL PLACES
14 16	C		18 21	C	23
6		18	1		23

LENGTH	DATA TYPE	RESULT
19 21	22	22

[illegible]



FILE MANAGEMENT SYSTEM

informatics inc.

TABLE DEFINITION

TABLE NAME **RCN-TBL** FORM CODE **T B** 9 10

ARGUMENT DATA TYPE **C** LENGTH **6** DECIMAL PLACES **18**

RESULT DATA TYPE **C** LENGTH **1** DECIMAL PLACES **23**

TABLE NAME	FORM CODE	CONTINUATION	DELETE?	TABLE TYPE	DELETE?	PRINT TABLE	LENGTH	DATA TYPE	DECIMAL PLACES	ARGUMENT	RESULT	RESULT VALUE
1. RCN-TBL	TE	1	X	B	X	X	6	C	18	33	48	72
	TE	2	X	B	X	X	6	C	18	33	48	72
	TE	3	X	B	X	X	6	C	18	33	48	72
	TE	4	X	B	X	X	6	C	18	33	48	72
	TE	5	X	B	X	X	6	C	18	33	48	72
	TE	6	X	B	X	X	6	C	18	33	48	72
	TE	7	X	B	X	X	6	C	18	33	48	72
	TE	8	X	B	X	X	6	C	18	33	48	72
	TE	9	X	B	X	X	6	C	18	33	48	72
	TE	10	X	B	X	X	6	C	18	33	48	72
	TE	11	X	B	X	X	6	C	18	33	48	72
	TE	12	X	B	X	X	6	C	18	33	48	72
	TE	13	X	B	X	X	6	C	18	33	48	72
	TE	14	X	B	X	X	6	C	18	33	48	72
	TE	15	X	B	X	X	6	C	18	33	48	72
	TE	16	X	B	X	X	6	C	18	33	48	72
	TE	17	X	B	X	X	6	C	18	33	48	72
	TE	18	X	B	X	X	6	C	18	33	48	72
	TE	19	X	B	X	X	6	C	18	33	48	72
	TE	20	X	B	X	X	6	C	18	33	48	72
	TE	21	X	B	X	X	6	C	18	33	48	72
	TE	22	X	B	X	X	6	C	18	33	48	72
	TE	23	X	B	X	X	6	C	18	33	48	72
	TE	24	X	B	X	X	6	C	18	33	48	72
	TE	25	X	B	X	X	6	C	18	33	48	72
	TE	26	X	B	X	X	6	C	18	33	48	72
	TE	27	X	B	X	X	6	C	18	33	48	72
	TE	28	X	B	X	X	6	C	18	33	48	72
	TE	29	X	B	X	X	6	C	18	33	48	72
	TE	30	X	B	X	X	6	C	18	33	48	72
	TE	31	X	B	X	X	6	C	18	33	48	72
	TE	32	X	B	X	X	6	C	18	33	48	72
	TE	33	X	B	X	X	6	C	18	33	48	72
	TE	34	X	B	X	X	6	C	18	33	48	72
	TE	35	X	B	X	X	6	C	18	33	48	72
	TE	36	X	B	X	X	6	C	18	33	48	72
	TE	37	X	B	X	X	6	C	18	33	48	72
	TE	38	X	B	X	X	6	C	18	33	48	72
	TE	39	X	B	X	X	6	C	18	33	48	72
	TE	40	X	B	X	X	6	C	18	33	48	72
	TE	41	X	B	X	X	6	C	18	33	48	72
	TE	42	X	B	X	X	6	C	18	33	48	72
	TE	43	X	B	X	X	6	C	18	33	48	72
	TE	44	X	B	X	X	6	C	18	33	48	72
	TE	45	X	B	X	X	6	C	18	33	48	72
	TE	46	X	B	X	X	6	C	18	33	48	72
	TE	47	X	B	X	X	6	C	18	33	48	72
	TE	48	X	B	X	X	6	C	18	33	48	72
	TE	49	X	B	X	X	6	C	18	33	48	72
	TE	50	X	B	X	X	6	C	18	33	48	72
	TE	51	X	B	X	X	6	C	18	33	48	72
	TE	52	X	B	X	X	6	C	18	33	48	72
	TE	53	X	B	X	X	6	C	18	33	48	72
	TE	54	X	B	X	X	6	C	18	33	48	72
	TE	55	X	B	X	X	6	C	18	33	48	72
	TE	56	X	B	X	X	6	C	18	33	48	72
	TE	57	X	B	X	X	6	C	18	33	48	72
	TE	58	X	B	X	X	6	C	18	33	48	72
	TE	59	X	B	X	X	6	C	18	33	48	72
	TE	60	X	B	X	X	6	C	18	33	48	72
	TE	61	X	B	X	X	6	C	18	33	48	72
	TE	62	X	B	X	X	6	C	18	33	48	72
	TE	63	X	B	X	X	6	C	18	33	48	72
	TE	64	X	B	X	X	6	C	18	33	48	72
	TE	65	X	B	X	X	6	C	18	33	48	72
	TE	66	X	B	X	X	6	C	18	33	48	72
	TE	67	X	B	X	X	6	C	18	33	48	72
	TE	68	X	B	X	X	6	C	18	33	48	72
	TE	69	X	B	X	X	6	C	18	33	48	72
	TE	70	X	B	X	X	6	C	18	33	48	72
	TE	71	X	B	X	X	6	C	18	33	48	72
	TE	72	X	B	X	X	6	C	18	33	48	72
	TE	73	X	B	X	X	6	C	18	33	48	72
	TE	74	X	B	X	X	6	C	18	33	48	72
	TE	75	X	B	X	X	6	C	18	33	48	72
	TE	76	X	B	X	X	6	C	18	33	48	72
	TE	77	X	B	X	X	6	C	18	33	48	72
	TE	78	X	B	X	X	6	C	18	33	48	72
	TE	79	X	B	X	X	6	C	18	33	48	72
	TE	80	X	B	X	X	6	C	18	33	48	72

LISTING OF ALL ALLOWABLE
RCN'S CONTAINED IN T/MR
UNIT FILE.

Figure 3-20

TABLE NAME	FORM CODE	11 CONTINUATION	12 DELETE?
SERV/SCN	TE		
	TE		
	TE		
	TE		
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TABLE DEFINITION

ARGUMENT			RESULT		
LENGTH	DATA TYPE	DECIMAL PLACES	LENGTH	DATA TYPE	DECIMAL PLACES
14 15	17	18	19 21	22	23
6	2		4	2	

TABLE TYPE	<input checked="" type="checkbox"/> S	11
DELETE?	<input type="checkbox"/>	12
PRINT TABLE	<input type="checkbox"/>	13

TABLE TYPE	DELETED
5	12

TABLE TYPE S 11

[illegible][illegible]

3.5 DATA ELEMENT VALIDATION

During the Edit/Audit process, the T/MR system automatically validates, where possible, individual data element codes and the logical relationships between codes. Individual codes are examined by one or more of the following means:

- o Class Test
- o T/MR Program Tables
- o T/MR Internal Tables File
- o External Tables

Class Test refers to examining a code for "all numeric," "all alphabetic" or some specific arrangement of numeric and alphabetic characters. The T/MR Program Tables are those in which the allowable codes, specified in Section 3.3 are an integral portion of T/MR Computer program coding. The T/MR Tables, including both Internal and External Tables, have been discussed in the previous Section 3.1.3.

Figure 3-27 summarizes the data validation means employed for each data element of the T/MR System. If a compatibility test is also performed between two or more data elements the user is referenced to the subsection that defines the nature of the compatibility test. In the Class Test column, "9" represents any numeric and "A," any alphabetic. Specific alphabets are represented by the letter itself.

DATA ELEMENT VALIDATION SUMMARY

Page 3-44

Data Element Name	Data Validation Method				Compatibility Test Reference
	Class Test	T/MR Program Table	T/MR Tables File	External Table	
ACTIVITY ADDRESS CODE	999999				
ADD/DELETE FLAG		YES			3.5.10
ALPHA GRADE CODE		YES (Ungraded Civilians)	YES		3.5.3 3.5.8
BILLET DESCRIPTION	-----	---NONE---	-----	-----	
BILLET SPONSOR	-----	--NONE--	-----	-----	
BILLET STATUS		YES			3.5.4 3.5.5
BRANCH		YES			3.5.1 3.5.2 3.5.3 3.5.4
EDUCATION CODE			YES		
EFFECTIVE DATE	999999				3.5.10
FOOTNOTE CODE		YES			3.5.5
FOOTNOTE SEQUENCE CODE	99				
FOOTNOTE TEXT	-----	---NONE---	-----	-----	
FOREIGN LANGUAGE CODE			YES		
GEOGRAPHIC LOCATION (G/L)				YES	
MAJOR PROGRAM MEMORANDUM CODE		YES			
MANNING FACTOR	X or 999				
MANNING MULTIPLES	XXX or 999				
MONITORED COMMAND CODE				YES	

Figure 3-27

Data Element Name	Data Validation Method				Comments, Test References
	Class Test	T/MR Program Table	ISSD Tables File	External Table	
MILITARY OCCUPATIONAL SPECIALTY (MOS) CODE			YES		
MOS GRADE MATRIX	-----	NONE	-----	-----	
NUMBER OF COPIES	999				
OPERATOR CODE		YES			3.5.4
ORGANIZATION DESCRIPTION	-----	NONE	-----	-----	
ORGANIZATION TYPE		YES			
PAY GRADE CODE			YES		3.5.6 3.5.8
PERSONNEL ALLOCATION PLAN CODE		YES			3.5.1
PROGRAM ELEMENT NUMBER			YES		
PSEUDO MONITORED COMMAND CODE (PsMCC)	-----	NONE	-----	-----	
QUALIFIER CODE		YES			
RANK/WEAPON/MOS EXCEPTION FLAG		YES			3.5.6 3.5.7
RECORD CODE	--- GENERATED FROM TRANSACTION RECORD CODE ---				
REPORTING UNIT CODE				YES	
RESPONSIBILITY CENTER NUMBER			YES		
SECTION CONTROL	-----	SYSTEM GENERATED			-----
SECTION DESCRIPTION	-----	NONE	-----	-----	

Figure 3-27 (continued)

	Data Validation Method				Compatibility Test Reference
	Manual Test	T/AMR Program Table	T/AMR Tables File	External Table	
UNIT IDENTIFICATION CODE		YES			
WEAPON CODE		SYSTEM GENERATED			
WEAPON MODEL			YES		
SPECIAL EQUIPMENT DESCRIPTION FLAG		YES			
SUBSECTION DESCRIPTION		NONE			
TABLE OF EQUIPMENT (T/E) NUMBER	9999				
T/AMR LINE NUMBER	9999A				
T/AMR MAINTENANCE DATE		SYSTEM GENERATED			
T/AMR MULTIPLE	999				3.5.11
T/AMR NUMBER	9999A				3.5.11
T/MECA NUMBER	999999				
TRANSACTION RECORD CODE		YES			3.5.9
TYPE		YES			5.2 5.3 5.6 5.7
UNIT IDENTIFICATION CODE (UIC)	M99999				
UNIT LINE NUMBER	999				
UNIT TITLE		NONE			
WEAPON CODE		YES			5.7

Figure 3-27 (continued)

3.5.1 PAP/BRANCH Code Compatibility

A Branch code of "M" and Billet Status "Chargeable" must have a valid PAP code; otherwise, PAP code must be blank, however, this edit is not performed for contingency billets.

3.5.2 TYPE/BRANCH Code Compatibility

Type code "O" or "E" must have a Branch code of "M," "N," "A," "F," or "P." Type codes "N," "F," or "A" must have Branch codes of "M" or "N" and Type codes "G," "U," or "X" must have a Branch code of "C" or "I."

3.5.3 ALPHA GRADE/BRANCH/TYPE Code Compatibility

Marine or Navy enlisted alpha grades must have a Branch code "M" or "N" and Type code "E" respectively. Marine or Navy Officer alpha grades must have a Branch code of "M," or "N," and Type code of "O" for Navy, or "O," "N," "F," or "A" for Marines.

Branch code "C," U. S. Civilians, along with Type codes "G" or "U," must have "GS" or valid wage board Alpha Grade codes respectively. The third and fourth characters of the Alpha Grade code must be two numeric digits, or a space and a single numeric digit.

Branch code "I," Indigenous Civilians, along with Type codes "G" or "U," must have "IS" or valid wage board Alpha Grade codes respectively.

3.5.4 BILLET STATUS/BRANCH Compatibility

Billet Status codes "C" and "F" apply to Branch codes "M" or "N" only.

3.5.5 BILLET STATUS/FOOTNOTE CODE Compatibility

Billet Status code "X," non-chargeable, must be used whenever Footnote code "A," Additional duty, is specified.

3.5.6 PAY GRADE/TYPE/MOS Compatibility

This edit is performed for Marines only and utilizes the Pay Grade/MOS Table. The MOS is first validated, then the table's Officer/Enlisted code is checked against the T/MR type code, e.g., Officers may be Type code "O," "N," "F," or "A" and Enlisted "E." Finally, the Pay Grade is verified against the authorized grade range appearing in the Table. If the Rank/Weapon/MOS Flag is "2" or "3," the compatibility test above is not performed.

3.5.7 WEAPON/TYPE/GRADE Compatibility

If the Rank/Weapon/MOS Flag is not "1" or "3," this edit is performed for Branch Codes "M" or "N." The data element Type is tested for Enlisted/Officers. Code E indicates Enlisted. Codes O, N, F, or A indicates Officers. The Data Element Pay Grade is then split into two groups: E-1 thru E-5, and E-6 thru E-9.

- o Group E-1 thru E-5

Weapon compatibility codes for these grades

are: A, M, S, U, dash (blank acceptable for Navy only)

- o Officers or Group E-6 thru E-9

Weapon compatibility codes for these two groups

are: P, R, U, dash (blank acceptable for Navy only)

Exception

A snub nosed revolver, Q, must be used with Branch Code M, and E5-E9 or an Officer.

3.5.8 PAY GRADE/ALPHA GRADE Compatibility

With Branch codes "M" and "N," the Pay Grade code must conform to the appropriate Alpha Grade in conformance with T/MR Pay Grade code conventions set forth in Section 3.3.

3.5.9 TRANSACTION RECORD CODE/OPERATOR Compatibility

The Operator code must be one of the five or less operators that can be used with a transaction record type as set forth in Section 5.2.

3.5.10 EFFECTIVE DATE/ADD/DELETE FLAG Compatibility

An Effective Date on the file must always have a corresponding Add/Delete Flag. This does not preclude, however, one or the other code from being used singly in a "Replace" transaction.

3.5.11 T/MR NUMBER / T/MR MULTIPLE Compatibility

A T/MR Multiple and higher level T/MR Number must appear in the aggregate multiple fields of the Organization Header Record. Otherwise both fields must be blank.

T/MR FILES

4.1 INTRODUCTION

The T/MR Data Base is defined in the Mark IV Data Management System and may be considered an integrated data base. The principal data files in the T/MR system are:

- o T/MR Master Line File
- o T/MR Unit File
- o T/MR Aggregate File

These files are hierarchical interacting files which are distinct but related. They are designed to satisfy the requirements of the T/MR system. The remainder of this section will be devoted to a discussion of each of the T/MR Files.

4.2 T/MR MASTER LINE FILE

The T/MR Master Line File is defined as the file which contains all of the T/MR billet line information, where a billet line denotes the specific structure requirements of the Marine Corps. Additionally, this file contains the T/MR multiple-aggregate information which resides on the organization header record. Figure 4-1 lists the data elements which reside on the T/MR Master Line File.

The T/MR Master Line File is a fixed structure file consisting of five 200 byte record formats. These are:

ORGANIZATION HEADER
SECTION/SUBSECTION HEADER
BILLET LINE
RECAP DETAIL
FOOTNOTE RECORD

ORGANIZATION HEADER			SECTION/SUB-SECTION HEADER			BILLET LINE RECORD			BILLET LINE RECORD (Cont'd)			FOOTNOTE RECORD			RECAP DETAIL RECORD		
SIZE	TYPE		SIZE	TYPE		SIZE	TYPE		SIZE	TYPE		SIZE	TYPE		SIZE	TYPE	
5	A/N	T/MR Number	5	A/N	T/MR Number	5	A/N	Secondary Language	2	A/N	T/MR Number	5	A/N	T/MR Number	5	A/N	T/MR Number
2	Filler		2	Filler		2	Filler	Service School 1	1	A/N	Line Number	2	Filler	Branch	1	A/N	Branch
5	A/N	Line Number	5	A/N	Line Number	5	A/N	Qualifier	1	A/N	Line Number	5	A/N	Type	1	A/N	Type
6	Filler		3	A/N	Section Control	3	N	Primary Service School 2	3	A/N	Footnote Code	1	A/N	Billet Status	1	A/N	Billet Status
45	A/N	Section Control	3	N	Section Code	1	A/N	Qualifier	1	A/N	Footnote Sequence	2	A/N	MOS	1	A/N	MOS
1	A/N	Record Code	1	A/N	Description	25	A/N	Secondary Service School	3	A/N	Record Code	1	A/N	Filler	6	A/N	Filler
5	A/N	Description	25	A/N	Heading Factors	3	A/N	100%	3	A/N	Section Control	3	A/N	Record Code	1	A/N	Record Code
3	A/N	Manning Multiple 1	3	A/N	100%	3	A/N	97%	3	A/N	SEP Flag	1	A/N	Footnote Text	30	A/N	Grade-1
5	A/N	Aggregate T/MR 1	5	A/N	100%	3	A/N	97%	3	A/N	Branch	1	A/N	Filler	62	A/N	Grade-1
.	.		.	.	95%	3	A/N	95%	3	A/N	Type	1	A/N	T/MRCA	6	A/N	.
.	.		.	.	93%	3	A/N	93%	3	A/N	Billet Status	1	A/N	Effective Date	4	A/N	.
3	N	Aggregate Malt. 7	3	N	90%	3	A/N	90%	3	A/N	Security Clearance	1	A/N	Add/Delete	1	A/N	Grade-15
5	A/N	Aggregate T/MR 7	5	A/N	87%	3	A/N	87%	3	A/N	PAP Code	1	A/N	Filler	25	A/N	Line Total
5	A/N	Filler	5	A/N	85%	3	A/N	85%	3	A/N	Weapon Code	1	A/N	Work Area	2	A/N	Filler
6	A/N	T/MRCA	6	A/N	83%	3	A/N	83%	3	A/N	Rank/Weapon/MOS	1	A/N	Filler	58	A/N	T/MRCA
4	A/N	Effective Date	4	A/N	80%	3	A/N	80%	3	A/N	Flag	1	A/N	TOTAL	200	A/N	Effective Date
1	A/N	Add/Delete Flag	1	A/N	78%	3	A/N	78%	3	A/N	T/MRCA	6	A/N	Add/Delete	4	A/N	Add/Delete
6	A/N	Date of Last Change	6	A/N	75%	3	A/N	75%	3	A/N	Effective Date	4	A/N	Filler	25	A/N	Filler
20	A/N	Filler	20	A/N	70%	3	A/N	70%	3	A/N	Add/Delete	1	A/N	Work Area	2	A/N	Work Area
2	A/N	Work Area	2	A/N	60%	3	A/N	60%	3	A/N	Billet Sponsor	3	A/N	Filler	1	A/N	Filler
30	A/N	Filler	30	A/N	50%	3	A/N	50%	3	A/N	Footnote Code	1	A/N	Filler	1	A/N	Work Area
200	A/N	TOTAL	200	A/N	4	A/N	MOS 2 Qualifier	4	A/N	Work Area	22	A/N	Filler	2	A/N	Filler	TOTAL
					1	A/N	MOS 3 Qualifier	1	A/N	Filler	25	A/N	Filler				
					2	A/N	MOS 1 Qualifier	2	A/N	Designator Code	2	A/N	Filler				
					1	A/N	Education 1	1	A/N	Filler	3	A/N	Filler				
					2	A/N	Education 2	2	A/N	Filler	200	A/N	Filler				
					1	A/N	Qualifier	1	A/N	Filler							
					2	A/N	Secondary Education	2	A/N	Filler							
					1	A/N	Language 1	1	A/N	Filler							
					2	A/N	Language 2	2	A/N	Filler							
					1	A/N	Language 3	1	A/N	Filler							

Figure 4-1. T/MR Master Line File

- o Organization Header Record - T/MR Number, Organization Type, Related T/E No., Organizational Description. Specifies the higher level T/MRs into which the T/MR is aggregated.
- o Section/Subsection Header - Specifies the title of the section/subsection and the related manning multiple.
- o Billet Line Record - Specifies the specific billet requirements and manning factors.
- o Footnote Record - Specifies the footnote which applies to a specific billet line. The footnote code in this record represents a standard footnote text (e.g., Additional Duty . . .). This record also contains a field which can contain variable user specified text.
- o Recap Detail Record - Specifies a Grade/MOS Recap for a specific combination of Branch, Type, and Billet Status.

The T/MR Master Line File consists of several different types of T/MRs:

- o Base T/MR
- o Base Recap T/MR
- o Higher Level Recap T/MR (Organizational Header only)

The Base T/MR is submitted with detail reflecting billet requirements. This type of T/MR will contain the following types of records:

- o Organization Header
- o Section/Subsection Header
- o Billet Line
- o Footnote Record
- o Recap Detail Record

The Base Recap T/MR is an aggregate-only (Grade and MOS Detail) T/MR at the base level. This type of T/MR may be used to reflect requirements of Split Augment or Planning T/MRs for which billet lines do not exist. A base recap T/MR contains the following record types:

- o Organization Header
- o Recap Detail Record

The Higher Level T/MR is an aggregate-only T/MR which is created from more than one Base T/MR. This type of T/MR contains only an Organization Header Segment since the recap detail is contained in the Aggregate File.

4.2.1 Organizational Header Segment (Record Code A)

This segment contains the T/MR number, T/E number, Organization Type, and title of the Organizational T/MR. In addition, this record will contain T/MR Aggregate Multiples and the Higher Level T/MRs into which this Base T/MR will aggregate. As many as seven multiples may be used to aggregate the base T/MR into higher level organizations. These higher level organizations are also identified by a T/MR Number, and are

defined by a composition of base T/MRs. Again note that an Organizational Header exists on the MLF for all T/MRs, base and higher level. Base T/MR headers will be followed by billet line or Recap detail as appropriate, while higher level T/MRs will be represented by an organization header only.

4.2.2 Section Header/Subsection (Record Codes C/D Respectively)

The Section Header is a record which specifies the name or a subordinate section within an overall T/MR. The Section Header in addition, consists of manning factor multiples which are applied to the manning factor multiples for subordinate subsections or the manning factors for billet lines in determining totals.

The Subsection Header has the same format as the Section Header but is uniquely identified by a different record code. The Subsection Header is utilized to title subsections which are subordinate to a section. The Subsection Header also contains manning factor multiples which are applied to manning factors for billet lines.

The relationship of manning factor multiples implies the capability for taking vertical cuts in a T/MR organization where at a specific manning factor a subordinate structure can be eliminated by entering a reduced or zero multiple on a section or subsection header. All multiples and manning factors are integer values. Section and subsection description continuation records are indicated in the same manner as billet line continuation records described in the following.

4.2.3 Billet Line (Record Code E)

The Billet Line consists of all the detail related to a billet structure such as Grade, MOS, Description, Number Authorized, Footnote Code and other elements. (See Figure 4-1 for billet line data elements). The number authorized is expressed in manning factors at various percentages. 100% is the total authorized for the billet and corresponds with the 100% manning factor multiple in related section and subsection headers.

The Billet Line record may also exist as a continuation record. The continuation record is used to continue a billet description which cannot be wholly contained within a single Billet Line Field. In this case the 100% multiple field contains "XXX" in the second and subsequent continuation records.

4.2.4 Footnote (Record Code G)

The footnote record contains a footnote code which is translated by the T/MR system to a standard text. Additionally, this record can contain user-supplied text either to enhance the meaning of the standard footnote or to present the footnote in descriptive terms with variable lines of text.

4.2.5 Detail Recap (Record Code J)

The Detail Recap Line is a record controlled by Branch, Type, Billet Status, and MOS, a count of all spaces by Grades. Grades for a specific type are in the following ranges: GS-18 through GS-1; 07 through 01; or E9 through E2.

4.3 T/MR UNIT FILE

The T/MR Unit File (Figure 4-2) is a variable length heirarchically structured file which relates a unit record to a T/MR or to specific billet lines within a T/MR. A unit record is defined as a unique combination of the following data elements:

- o MCC
- o RUC
- o PsMCC
- o PEN
- o RCN
- o UIC
- o MPM
- o English Description
- o GEO LOC

The file also maintains a record of the base T/MRs which aggregate into specific Higher Level T/MRs as well as the printed copy distribution requirements for specific T/MRs.

The T/MR Unit File consists of five segments:

- o T/MR Unit Root Segment
- o Unit Information Segment
- o Unit Line Segment
- o Composition T/MR Segment
- o Dissemination Type Segment

T/MR Unit File

Level 1
Segment 1

T/MR Root Segment

Level 2
Segment 10

Unit Information Segment

Level 3
Segment 20

Unit Line Segment

Level 2
Segment 30

Composition T/MR Segment

Level 2
Segment 40

Dissemination Type Segment

T/MR Unit Header		Unit Information Segment		Unit Line Segment	
Field Name	Size	Field Name	Size	Field Name	Size
T/MR Number	5	Unit Number	3	Line From	5
Segment 10 Count	3	Unit Title	34	Line To	5
Segment 30 Count	3	MCC	3		
Segment 40 Count	3	RUC	5		
		P&MCC	4		
		PEN	6		
		RCN	6		
		UIC	6		
		MPM	2		
		Geo Loc	2		
		Segment 20 Count	3		
Composition T/MR Segment		Dissemination Type Segment			
Field Name	Size	Field Name	Size		
Comp. T/MR No.	5	Activity Address Code	7		
Comp. T/MR Mult	2P	No. of Copies	3		
Organ. Descr.	45				

Figure 4-2. T/MR Unit File

4.3.1 T/MR Unit Root Segment

The Unit Root Segment is the controlling segment for the logical congregation of all Unit Information Segments which apply to a specific T/MR.

4.3.2 Unit Information Header Segment

The Unit Header contains all of the data elements which denote organizational specific (dependent) information which are:

- o MCC
- o RUC
- o PsMCC
- o GEO LOC
- o RCN
- o UIC
- o MPM
- o English Description
- o PEN

The Unit Information Header is a segment which is used to relate billet line data to specific organizational units within the USMC. In the case where the entire T/MR can apply to a specific unit or units the Unit Information Header defines those units. In a T/MR where only specific lines relate to a given unit then the Unit Information Header exists but a sibling segment (Unit Line Segment) exists to define the specific billet lines related to a unit.

The Unit Information Header segment is identified by a unit number which is a user assigned value from 1 through 999. The unit number uniquely identifies a combination of the unit related data elements that apply to a specific T/MR or portion of a T/MR.

4.3.3 Unit Line Segment

The Unit Line Segment is a sibling segment which is related to the Unit Information Segment. Basically, this segment consists of a From/To Number which defines a range of billet lines to which a specific Information Header is related. This segment may be repeated as many times as is necessary to define those lines or groups of lines which apply to a specific Information Header. The From/To combination of line numbers must include all T/MR Line Segments which apply. This means that the section headers and subsection headers must be included within the range of line numbers of this segment so that the manning multiples can be included in any aggregation process.

4.3.4 Composition T/MR Segment

The Composition T/MR Segment contains the composition T/MR which is defined as that base T/MR which, in conjunction with other base T/MRs, can be aggregated to create a higher level T/MR. This segment also contains the composition T/MR multiple which denotes the number of times a base T/MR is aggregated to arrive at a given higher level T/MR. The values contained in this segment are automatically produced by the system based on the aggregate multiples appearing in the organization header segments of the MLF.

4.3.5 Dissemination Type Segment

The Dissemination Type segment denotes the Activity Address Codes for those organizations which receive hardcopy output of that specific T/MR. This segment also specifies the number of copies of the T/MR to be provided.

4.4 T/MR AGGREGATE FILE

The T/MR Aggregate File consists of records which recapitulate Grade and MOS totals for base T/MRs and higher level structure T/MRs. The Aggregate file can be considered as similar to the T/O Master Recap File which exists in the T/O related process. Recaps are maintained for all authorized levels of manning in this file.

Figure 4-3 describes the layout of this 928 byte fixed length file. The Grade/MOS record takes the form of a matrix where Branch, Type, Billet Status, and MOS strength are counted in terms of grades for each Level of Manning Factors (100% to 70%).

4.5 GENERAL FILE MAINTENANCE CHARACTERISTICS

The T/MR Master Line file will be maintained entirely through manually prepared input procedures. Keeping the file record characteristics in mind, the T/MR Master Line file can contain three types of T/MRs. First a base T/MR, structured in terms of billet lines and Section/Subsection headers, exists to provide detail at the lowest level. Secondly, higher level T/MRs also exist on this file. This type of T/MR has no existing billet line detail; hence the file will contain only an Organizational Header. This will serve primarily to identify the higher level T/MR which may or may not be related to one or more Unit Information records on the Unit file. The third

T/MR NO.	B R A N C H	T Y P E	S T A T U S	M O S	GRADES
-------------	----------------------------	------------------	----------------------------	-------------	--------

Field Name	Size
T/MR Number	5
MOS	5
Branch	1
Type	1
Status	1
Filler	1
GS 18 (GS-18)	4P
GS 17 (GS-17)	4P
GS 16 (GS-16)	4P
GS 15 (GS-15)	4P
GS 14 (GS-14)	4P
GS 13 (GS-13)	4P
GS 12 (GS-12)	4P
GS 11 (GS-11)	4P
GS 10 (GS-10)	4P
GS 9 (GS-9, E9)	4P
GS 8 (GS-8, GEN, E8)	4P
GS 7 (GS-7, COL, E7)	4P
GS 6 (GS-6, LCOL, E6)	4P
GS 5 (GS-5, MAJ, E5)	4P
GS 4 (GS-4, CAPT, E4)	4P
GS 3 (GS-3, LT, E3)	4P
GS 2 (GS-2, UNGRADED)	4P
GS 1 (GS-1, WO, E1/2, EXCPTD)	4P
TOTAL	4P
GS 18/97% (GS-18)	4P
.	.
.	.
.	.
GS 1/97% (GS-1, WO, E1/2, EXCPTD)	4P
TOTAL/97%	4P
GS 18/95% (GS-18)	4P
.	.
.	.
.	.
TOTAL/95%	4P
GS 18/93%	4P
.	.
.	.
.	.

Field Name	Size
TOTAL/93%	4P
GS 18/90%	4P
.	.
.	.
.	.
TOTAL/90%	4P
GS 18/87%	4P
.	.
.	.
.	.
TOTAL/87%	4P
GS 18/85%	4P
.	.
.	.
.	.
TOTAL/85%	4P
GS 18/83%	4P
.	.
.	.
.	.
TOTAL/83%	4P
GS 18/80%	4P
.	.
.	.
.	.
TOTAL/80%	4P
GS 18/78%	4P
.	.
.	.
.	.
TOTAL 78%	4P
GS 18/75%	4P
.	.
.	.
.	.
TOTAL/75%	4P
GS 18/70%	4P
.	.
.	.
.	.
TOTAL/70%	4P
DES CODE	2
TOTAL	928

Figure 4-3 (continued)

type of T/MR as discussed previously is the Base Recap T/MR: one for which only Recap Grade and MOS records exist.

The Aggregate File on the other hand, will be maintained directly from the T/MR Master Line File maintenance process. This file will be generated once monthly, transactions generated will be based upon the Aggregate Multiples which exist in the Organization Header.

The T/MR Unit File will be maintained with manually prepared input procedures and system generated transactions. The segments which are maintained by the user are: the T/MR Unit Root Segment; the Unit Information Header Segment; the Unit Line Segment and the Dissemination Type Segment.

The T/MR System, during the monthly update process, will generate transactions which will maintain the Composition T/MR Segment. This segment will be maintained initially by creating a segment for every unique base T/MR which is used to aggregate a higher level T/MR. The number of times that base T/MR is aggregated into a higher level T/MR is counted and used as the Composition T/MR multiple. Whenever subsequent updating of this file indicates that a new T/MR is introduced into the aggregation process, another composition T/MR segment will be created reflecting the multiple that T/MR is aggregated.

Figure 4.4 describes various relationships of fields within the T/MR Master Line File and the T/MR Aggregate File.

Record No.	Explanation
1	T/MR 1 Aggregates by Branch, TYPE, and Billet Status, MOS and GRADE to create T/MR 5 on the aggregate T/MR and aggregate multiple of 2. Aggregate record for T/MR 1 automatically created.
8	T/MR 1 Aggregate created from base T/MR.
9	No composition T/MR segment exists since T/MR 1 is a base T/MR.
10	Summary by Grade within TYPE and MOS created by multiplying Record 3 multiple by Record 4 multiple by Record 5 manning factor. Record 11 created in the same manner.
12	T/MR 5 Aggregate record created from T/MR 1
13	Base T/MR and its multiple used to Aggregate
14	Created similar to Record 10 except the Aggregate multiple is used.

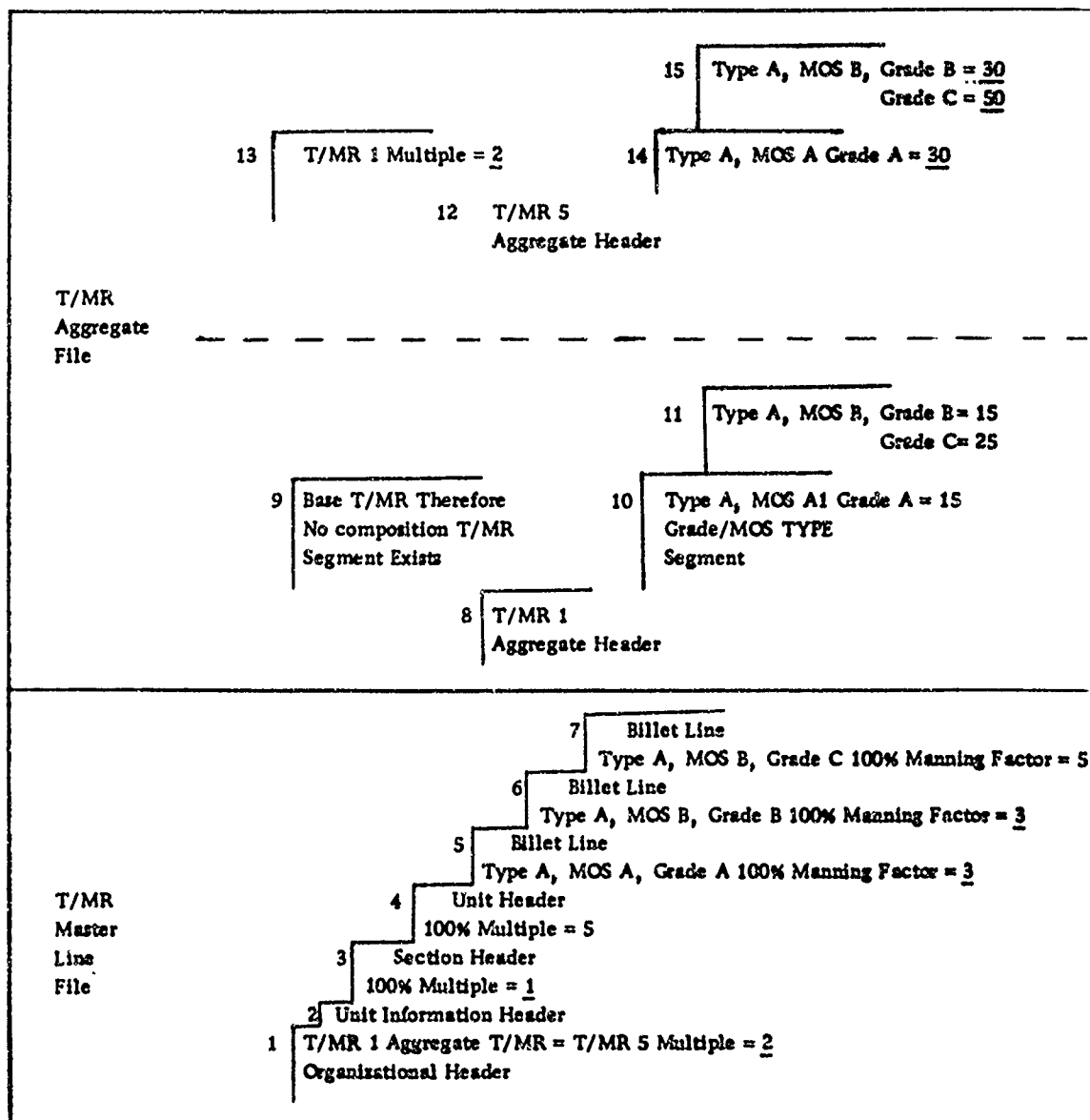


Figure 4-4

T/MR FILE MAINTENANCE PROCEDURES

5.1 INTRODUCTION

This section of the T/MR Users manual contains the information, reference material and procedures necessary to T/MR File Maintenance.

T/MR File Maintenance Procedures are considered in the following topical categories:

- o T/MR Forms and Forms Completion Procedures
- o OCR Input Preparation
- o T/MR Weekly Edits and Audits
- o T/MR File Update Procedures

Each of the above topics is discussed separately.

5.2 T/MR DATA INPUT FORMS; DESCRIPTION AND PROCEDURES

5.2.1 Introduction

Input to the T/MR system is by Optical Character Recognition (OCR) or Punch Cards. T/MR coding forms are coded for subsequent transcription to OCR input forms or may be used as source documents for key punching (see Section 5.3 for discussion of OCR and key punch input). In the T/MR system documentation these coding forms are referred to as T/MR Transcription Forms. This section of the T/MR Users manual is devoted to a description of the Transcription forms and the procedures related to their use.

5.2.2 General

There are seven T/MR Data Transcription Forms used in the maintenance and update of the T/MR system. These forms are functionally divided into 13 Transaction Record types.

The relationship of the T/MR Transcription Forms and the associated Transaction Record types is shown in Table 2.

The T/MR Transcription Forms are designed to facilitate entry of common type data with consideration given to the various categories of required maintenance action. Additionally, each form is printed on one of four colors of paper for the purpose of rapid identification. The seven forms have certain information printed on the back related to completion of the individual forms. This information though not all inclusive, is provided for a ready reference on the use of the operator codes allowed with each form, the effect of each operator, and some general comments related to forms completion.

<u>Transcription Forms and Transaction Types</u>	
<u>Transcription Forms</u>	<u>Transaction Record Types</u>
1. T/MR Organization	A Basic T/MR Information B T/MR Aggregate data
2. Billet Line Detail	C Section Record D Sub-section Record E Billet Line Record F Billet Line Qualifier Record G Footnote text Record
3. Unit Detail	H Unit Record I Line Record
4. Recap Coding	J Recap Coding
5. Manning Factor Multiples	K Manning Factor/Multiples
6. Control Totals	L Control Totals
7. Distribution	N Distribution

Table 2

There are five operators used in conjunction with T/MR Transactions. These are:

- o B = Blank (replace data field with blanks)
- o D = Delete (a record or entire T/MR)
- o E = Eliminate (a unit record)
- o I = Insert (a record)
- o R = Replace (a field)

The collating order of these operators is in the same (alphabetical) sequence as shown. By implication then, IF two or more transactions to a single record with different operators are input to the same Edit/Audit, they will affect the file in an alphabetical operator sequence.

When using the B operator, the nature of the system requires the insertion of alpha or numeric characters in the field to be blanked. A T/MR file maintenance convention should be to enter the exact value of the data field being blanked using the B operator. The result will be to blank the desired field. However, if the OCR typist should read the B as an R operator code, the resultant transaction would replace a field value with itself, hence no harm done.

Figure 5-1 contains a summary layout for the data elements and their field locations on the 13 Transaction Record types used in the T/MR system. It will be noted that all transaction record types are defined in 80 columns. This is done to facilitate keypunch transcription of T/MR data if necessary.

In the following sections, each of the seven T/MR Transcription Forms is discussed in some detail. A chart showing detailed coding instructions and related remarks for each form is provided along with copies

Figure 5-1

of the forms and related backprinted instructions. Data element definitions and codes are provided in Sections 3.2 and 3.3 of this manual.

There are several coding conventions that if used uniformly will enhance the accuracy and ease of data transcription to the OCR input forms. The convention for showing zero and the letter "O," is shown on the backprinting of each form. Other conventions involve fields left blank in coding a transaction record type, and the use of the numeric OCR code.

If in coding a given transaction record, a field will remain unchanged or blank, the coder should place an "*" somewhere within that field. This will facilitate data transcription to the OCR form. A field is defined as the BLANK space between two solid vertical lines for that Transaction record type (shaded areas are not considered a field).

Although the T/MR Line Number suffix is considered a separate field, the coder need not follow this convention for those line numbers not having an alpha suffix. Instructions for OCR transcription of T/MR Line Numbers and Line Number Suffixes are explicitly set forth in Section 5.3.

The user will note that a numeric OCR record code is associated with each transaction record type. This OCR code identifies the transaction record type to the OCR scanner, while later the alphabetic transaction record code identifies it to the T/MR System. Space has been provided to the left of Column 1 to insert the OCR Code corresponding to the transaction record code on the Billet Line Detail, and Unit Detail forms. By inspection one may see that this manual coding will not be required on the other forms.

Section 5.2 provides complete details on OCR form preparation and conventions.

5.2.3 T/MR Organization Transcription Form

The T/MR Organization Transcription form contains two Transaction Record Types, Type A and B. The Type A Transaction Record provides the organizational description (i.e. Rifle Company Inf. Bn, Marine Barracks Bermuda, etc), the Organization Type, and associated T/E number. The Type B transaction Record prescribes the number of times the T/MR aggregates into higher level T/MRs. Additionally, the Effective Date can cause the system to consider the T/MR as "effective" or "deleted" at some future date.

Since the apex of the T/MR System is the T/MR Number, a Type A Transaction record must be present for both base and higher level T/MRs on the files. A Type B Transaction Record will normally be completed for only base T/MRs which reflect the number of times the T/MR aggregates into one or more (up to seven) higher level T/MRs. This is not a system constraint, however, in that multiples may be used for indicating the aggregations of higher level T/MRs into even higher level T/MRs (i.e., Battalions into Regiments and Divisions). This latter capability is for visibility in the Multiples Reports only, since Aggregate File transactions are keyed to base T/MRs whose Organization Type will be either "A," "B," "3," or "4." All aggregation into the 9000's series T/MR's are automatically aggregated into T/MR 9000, U. S. Marine Corps, hence 9000 need not be shown as an aggregate multiple.

5.2.3 T/MR Organization Transcription Form

The T/MR Organization Transcription form contains two Transaction Record Types, Type A and B. The Type A Transaction Record provides the organizational description (i.e. Rifle Company Inf. Bn, Marine Barracks Bermuda, etc), the Organization Type, and associated T/E number. The Type B transaction Record prescribes the number of times the T/MR aggregates into higher level T/MRs. Additionally, the Effective Date can cause the system to consider the T/MR as "effective" or "deleted" at some future date.

Since the apex of the T/MR System is the T/MR Number, a Type A Transaction record must be present for both base and higher level T/MRs on the files. A Type B Transaction Record will normally be completed for only base T/MRs which reflect the number of times the T/MR aggregates into one or more (up to seven) higher level T/MRs. This is not a system constraint, however, in that multiples may be used for indicating the aggregations of higher level T/MRs into even higher level T/MRs (i.e., Battalions into Regiments and Divisions). This latter capability is for visibility in the Multiples Reports only, since Aggregate File transactions are keyed to base T/MRs whose Organization Type will be either "A," "B," "3," or "4." All aggregation into the 9000's series T/MR's are automatically aggregated into T/MR 9000, U. S. Marine Corps, hence 9000 need not be shown as an aggregate multiple.

In general, the T/MR Organization Transcription form is self explanatory. The user is cautioned, however, to closely examine the back printed instructions. For instance, a "D" Operator used with a Type A Transaction Record deletes not only the Organizational Description but also the entire T/MR from the Master Line File (MLF).

Since blank fields for the Type B Transaction Record are created or deleted in MLF whenever a Type A Transaction Record is created or deleted, only "B" or "R" operators are required in a Type B transaction.

Figure 5-2 through 5-5 reflect the T/MR Organization Transcription Form, Backprinted instructions, and detailed coding instructions for Transaction Record Types A and B respectively.

TABLE OF MANPOWER REQUIREMENTS (5320)
TIME ORGANIZATION
FORM NO. 1 (7-72)

Page 1 of 1

SECTION A

OPERATOR

1	2
---	---

TYPE NO.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----

TIME NO.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----

RECORD CODE

1	2	3	4	5	6
---	---	---	---	---	---

TIME NO.

1	2	3	4	5	6
---	---	---	---	---	---

01
OCR CODE

TIME ORGANIZATION DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

OCR END OF LINE

SECTION B

RECORD CODE

1	2	3	4	5	6
---	---	---	---	---	---

02
OCR CODE

TIME NO.

1	2	3	4	5	6
---	---	---	---	---	---

OPERATOR

1	2
---	---

EFFECTIVE DATE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

ACCOMPLISH

1	2
---	---

TIME MULTIPLE NO. 1

1	2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	---	----	----	----

TIME MULTIPLE NO. 2

1	2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	---	----	----	----

TIME MULTIPLE NO. 3

1	2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	---	----	----	----

TIME MULTIPLE NO. 4

1	2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	---	----	----	----

TIME MULTIPLE NO. 5

1	2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	---	----	----	----

TIME MULTIPLE NO. 6

1	2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	---	----	----	----

TIME MULTIPLE NO. 7

1	2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	---	----	----	----

OCR END OF LINE

7/12 DECLASSIFIED
9008 6 00 12-92

SECTION 8

20	20
----	----

300 420

[illegible]

END OF LINE

EFFECTIVE DATE	20	21	22	23	24

22

OCR CODE

[illegible]

YOUR MULTIPLE CHO. 2		YOUR NO.	
33	24	35	36 37 38 39 40

	WJLTPH	VLOS %.
a) 0-6%		x(8%)
b)		
c)		
d)		
e)		

2-20 MULTIPLE NO. 4					
MULTIPLE			TIME NO.		
49	50	51		12	52 53 54

[illegible][illegible][illegible]

T/MR ORGANIZATION RECORDS

TR-72-1515-5

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RECORD TYPE	KEY FIELDS MUST BE FILLED	OPER. CODE	EFFECT OR USE OF OPERATOR	GENERAL COMMENTS
A OCR CODE 01	RECORD CODE T/MR NO. OPERATOR	I	CREATES A T/MR HEADER RECORD	1. ZERO * 9 LETTER "O" * 0
		D	DELETES ENTIRE T/MR FROM MASTER LINE FILE	2. ORGANIZATIONAL TYPE CODES
		R	REPLACES AN INDIVIDUAL FIELD WITH A NON-BLANK VALUE	A = AGGREGATE BASE STRUCTURE B = BILLET DETAIL BASE STRUCTURE 4 = AGGREGATE BASE PLANNING 3 = BILLET DETAIL BASE PLANNING 2 = HIGHER LEVEL PLANNING 1 = HIGHER LEVEL STRUCTURE
		B	BLANKS AN INDIVIDUAL FIELD PRESENTLY CONTAINING SOME VALUE	TO IDENTIFY THE FIELD TO BE "BLANKED" PLACE A NON-BLANK VALUE ON THE CODING SHEET IN THAT FIELD POSITION.
B OCR CODE 02	RECORD CODE T/MR NO. OPERATOR	R	REPLACES AN INDIVIDUAL FIELD WITH A NON-BLANK VALUE	THIS RECORD TYPE IS USED IN CONJUNCTION WITH A CORRESPONDING "A" TYPE RECORD OR ADDS TO AN "A" TYPE RECORD ALREADY ON THE FILE.
		B	BLANKS AN INDIVIDUAL FIELD PRESENTLY CONTAINING SOME VALUE	TO IDENTIFY THE FIELD TO BE "BLANKED" PLACE A NON-BLANK VALUE ON THE CODING SHEET IN THAT FIELD POSITION.

Figure 5-3

TRANSACTION RECORD TYPE A

TR-72-1515-5

Page 5-11

CODING INSTRUCTIONS

ENTRY DATA ELEMENT	RECORD	COLUMNS	REMARKS
Record Code	A	1	Value = A
T/MR Number	A	2 - 6	Cols. 2-5 numeric - never blank. Col. 6, alpha or blank.
(Not Used)	A	7-11	
Operator	A	12	Values: B, I, R, D
T/E Number	A	13-17	Cols. 13-16 numeric, right - justified. Col. 17 alpha. Entire field may be blank.
T/MRCA Number	A	18-23	Numeric field, right - justified. May be blank.
Organization Type	A	24	Values: A, B, 1, 2, 3, 4 with "I" operator. May be blank with B, R, or D operator.
T/MR Organization Description	A	25-69	Alpha/Numeric field, left - justified. May be left blank with B, R, or D operator. Must be filled with "I" operator.
(Not Used)		70-80	Blanks

Figure 5-4

TRANSACTION RECORD TYPE B

FR-72-151-6

Page 5-12

CODING INSTRUCTIONS

ENTRY DATA ELEMENT	RECORD	COLUMNS	REMARKS
Record Code	B	1	Value - B
T/MR Number	B	2 - 5	Must be the same value of T/MR Number - Section A.
(Not Used)	B	7-11	
Operator	B	12	Values: R or B.
Effective Date	B	20-23	Numeric Field. Format - YYMM. May be left blank or must be all numeric.
Add/Delete Flag	B	24	Values: A, D, or blank.
Aggregate Multiple 1 o Multiple	B	25-27	Numeric field, right-justified. May be blank if the Aggregate Number is not specified. columns 28-32.
o Aggregate T/MR No.	B	28-32	Code 28 = 31 numeric, right-justified Col. 32, alpha or blank.
Aggregate Multiple 2	B	33-40	Rules for these fields are identical to Aggregate Multiple 1.
Aggregate Multiple 3	B	41-48	
Aggregate Multiple 4	B	49-56	
Aggregate Multiple 5	B	57-64	
Aggregate Multiple 6	B	65-72	
Aggregate Multiple 7	B	73-80	

Figure 5-5

5.2.4 T/MR Billet Line Detail Form

The T/MR Billet Line Detail Form provides the vehicle for specification of the detailed structure of a T/MR. As such it will probably be the most frequently used of the seven data transcription forms. The Billet Line Detail Form, on a single page, specifies the formats of the five transaction record types normally required in the day to day maintenance activities of the T/MR Validation Analysis. The general functions of the five transaction record types are delineated in the following:

<u>Transaction Record Type</u>	<u>T/MR Maintenance Function</u>
C	Section Header Record
D	Subsection Header Record
E	Billet Line Record
F	Billet Line Qualifier Record
G	Footnote Text Record

Except as subsequently noted, each field of the five transaction record types commences with a solid vertical line to facilitate data field identification and coding. This characteristic of the form has required that the five transaction record types be grouped into two subsections of "C," "D," "E," and "F," "G" respectively.

The two exceptions to the "solid vertical line starting a field" convention may be seen in the Description fields of the "C," "D" and "E" Transaction record formats. Note that Subsection Description is offset one position from Section Description, and Billet Description

is offset one position from Subsection Description. While descriptive text may start anywhere to the right of the vertical line appropriate to the "C," "D," or "E" Transaction record type, adherence to the format shown on the form will provide uniform appearance of the T/MR on hardcopy or checklist outputs.

In the event that the English description of a "C," "D," or "E" transaction record exceeds the field size available, the T/MR System will allow continuation line(s) to be added. In this case all appropriate data is coded on the FIRST line. The continuation line(s) will have the next consecutive line number and appropriate "Operator" coded. If T/MRCA No., Effective Date, and Add/Delete codes are entered on the primary record, they should also be entered on the continuation line record. The English description is then entered in the appropriate field and the 100% Mult/Auth field filled with three letter "X's." No other data may be coded on continuation line record(s).

In certain organizations there may be two or more identical Sections, and possibly two or more identical subsections within a Section. In this case, an integer multiple is entered in the 100% Multiple field of the appropriate "C" or "D" transaction record. This field must always be explicitly coded when an "I" transaction is effected. In computing Section and T/MR totals, the T/MR System automatically will apply these Multiples to the 100% Authorized values of the following billet lines (Type E Transaction Records) as shown in the following:

$T/MR \text{ Totals} = \text{Sec. } 100\% \text{ Mult.} \times \text{Subsec. } 100\% \text{ Mult.} \times \text{Billet } 100\% \text{ Auth.}$

and

$\text{Sec. Total} = \text{Subsec. } 100\% \text{ Mult.} \times \text{Billet } 100\% \text{ Auth.}$

Note that the T/MR System, on the Hardcopy and Checklist formats, will only provide Section and T/MR totals. In certain very large T/MR's, however, it may be desirable to obtain a total on what is logically a subsection of a major section within the T/MR. This requirement may be handled by creating two successive type "C" Section Header transaction records such as "G-1 DIVISION," and "OFFICE OF THE AC/S, G-1" respectively. Other branches of the "G-1 Division" may also be coded as Type C (Section Header) transaction records, which will then provide totals by branch while retaining the overall visibility of the "G-1 DIVISION,"

Types "F" and "G" Transaction Records are discussed separately since they have certain common characteristics. The "T/MR LINE NO." of these Transaction Record types is the same line number as the Type E (Billet Line) Transaction record to which it refers. In addition, when a billet line is deleted, any associated Type "F" and "G" transaction records will automatically be deleted from the file.

The type "F" Billet Line Qualifier Transaction record is generally self explanatory. For those type of codes that have two fields available, where only one will be used, the coding should be placed in the first field of that type (i.e. MOS-2, ED-1, etc). Where two

codes of a given type are to be used, and one is "Necessary" and the other "Desirable," the "Necessary" code should be placed in the first field. The "N" and "D" qualifiers should be coded as appropriate. In the case where one or the other of two codes of a type is "Necessary," the "U" qualifier is placed in both fields along with the appropriate codes.

SEP MOS's will always be placed in the "MOS-2" field along with an "N" or "D" qualifier. SEP billets must also be coded with a "1" in the "SEP" Field. Because of the Special Education Report requirements, more than one SEP MOS will not be used on a single Type F Transaction Record; hence the "U" qualifier would never be appropriate.

The type "G" Footnote Text Transaction Record provides the ability to further define the requirements of a billet not otherwise expressable by use of other codes. Some of the Standard Footnotes have system produced English associated with the Footnote Code, while others require the entire text to be coded. In either case a type "G" transaction record should be coded for each billet line containing a footnote code. The user should refer to Section 3.3 of this manual for these standard footnotes. The user is not limited to the system produced English. Additional text may be appended to any footnote by simply entering text in the Footnote Text field. To preserve the philosophy of "Standard footnotes," use of this capability should be the exception rather than the rule.

In all cases, the "T/MR Line No." and "FTN" data elements

of the Type "G" Transaction Record are identical with those of the Billet line to which it applies and must be entered on the forms. These elements must be also entered on any subsequent lines of text (if required), along with an entry in the "FTN SEQ" field. Footnote sequence entries merely order the lines of text, within a single footnote, hence will be assigned ordinal numbers 001, 002, etc. Single footnote text lines do not require a "FTN SEQ" entry although the user may use one if desired.

Footnote Text Transaction Records will be displayed at the end of T/MRs on the hardcopy and checklist output formats. The T/MR line number (of the billet line to which it applies) is followed by the footnote code, followed by the footnote text. Those footnotes that have system generated text will have that text printed as set forth above with the hand coded text (if any) indented and placed on the following print line. On printed T/MR output, display of the 50 character text segment is split into two 25 character print lines. This split will therefore occur between columns 53-54 of the coding sheet. The user should consider the appearance of the printed output when coding a line of text to avoid an undesirable division of a word.

Figures 5-6 and 5-7 are representations of the Billet Line Detail Coding Form and Backprinted Instructions respectively. Figures 3-8 through 3-12 contain the general coding instructions for Transaction Records C, D, E, F, and G.

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T/MR BILLET LINE DETAIL RECORDS

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Page 5-19

RECORD TYPE	KEY FIELDS MUST BE FILLED	OPER. CODE	EFFECT OR USE OF OPERATOR	GENERAL COMMENTS
C OCR CODE 03 D OCR CODE 04 E OCR CODE 05	RECORD CODE T/MR NO T/MR LN NO. OPERATOR	I	CREATES A SECTION HEADER, SUB SECTION HEADER, OR BILLET LINE	ZERO # LETTER OF D
			DELETES A SECTION HEADER OR SUB SECTION HEADER AND AUTOMATICALLY DELETES THE MANNING MULTIPLES ("K" TYPE RECORD) ASSOCIATED WITH HEADERS	NOTE THAT IF OPERATOR DELETES NOT ONLY THE APPROPRIATE "C," "D," OR "E" RECORD, BUT ALSO ALL ASSOCIATED "F," "G" AND "K" RECORDS
		D	OR DELETES THE BILLET LINE AND "F" RECORD (BILLET QUALIFIER), "G" RECORD (FOOTNOTES TEXT), AND "K" RECORD (MANNING FACTOR) ASSOCIATED WITH THE BILLET LINE	
		R	REPLACES AN INDIVIDUAL FIELD WITH A NON-BLANK VALUE	TO INSERT THE FIELD TO BE BLANKED, PLACE A NON-BLANK VALUE IN THE FIELD, THEN IN THAT FIELD, ENTER
		B	BLANKS AN INDIVIDUAL FIELD PRESENTLY CONTAINING SOME VALUE	
F OCR CODE 06	RECORD CODE T/MR NO T/MR LN NO. OPERATOR	X	REPLACES AN INDIVIDUAL FIELD WITH A NON-BLANK VALUE	TO INSERT THE FIELD TO BE BLANKED, PLACE A NON-BLANK VALUE IN THE FIELD, THEN IN THAT FIELD, ENTER
		B	BLANKS AN INDIVIDUAL FIELD PRESENTLY CONTAINING VALUE	
G OCR CODE 07	RECORD CODE T/MR NO T/MR LN NO. OPERATOR FOOTNOTES FOOTNOTES NO. CODE	I	CREATES A SECTION HEADER, SUB SECTION HEADER, OR BILLET LINE	
			DELETES A SECTION HEADER OR SUB SECTION HEADER AND AUTOMATICALLY DELETES THE MANNING MULTIPLES ("K" TYPE RECORD) ASSOCIATED WITH HEADERS	

• ACTION REPORT TYPE: 1

1078-1096

Item	Quantity	Unit	Value
1. 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st 32nd 33rd 34th 35th 36th 37th 38th 39th 40th 41st 42nd 43rd 44th 45th 46th 47th 48th 49th 50th 51st 52nd 53rd 54th 55th 56th 57th 58th 59th 60th 61st 62nd 63rd 64th 65th 66th 67th 68th 69th 70th 71st 72nd 73rd 74th 75th 76th 77th 78th 79th 80th 81st 82nd 83rd 84th 85th 86th 87th 88th 89th 90th 91st 92nd 93rd 94th 95th 96th 97th 98th 99th 100th 101st 102nd 103rd 104th 105th 106th 107th 108th 109th 110th 111th 112th 113th 114th 115th 116th 117th 118th 119th 120th 121st 122nd 123rd 124th 125th 126th 127th 128th 129th 130th 131st 132nd 133rd 134th 135th 136th 137th 138th 139th 140th 141st 142nd 143rd 144th 145th 146th 147th 148th 149th 150th 151st 152nd 153rd 154th 155th 156th 157th 158th 159th 160th 161st 162nd 163rd 164th 165th 166th 167th 168th 169th 170th 171st 172nd 173rd 174th 175th 176th 177th 178th 179th 180th 181st 182nd 183rd 184th 185th 186th 187th 188th 189th 190th 191st 192nd 193rd 194th 195th 196th 197th 198th 199th 200th 201st 202nd 203rd 204th 205th 206th 207th 208th 209th 210th 211th 212th 213th 214th 215th 216th 217th 218th 219th 220th 221st 222nd 223rd 224th 225th 226th 227th 228th 229th 230th 231st 232nd 233rd 234th 235th 236th 237th 238th 239th 240th 241st 242nd 243rd 244th 245th 246th 247th 248th 249th 250th 251st 252nd 253rd 254th 255th 256th 257th 258th 259th 260th 261st 262nd 263rd 264th 265th 266th 267th 268th 269th 270th 271st 272nd 273rd 274th 275th 276th 277th 278th 279th 280th 281st 282nd 283rd 284th 285th 286th 287th 288th 289th 290th 291st 292nd 293rd 294th 295th 296th 297th 298th 299th 300th 301st 302nd 303rd 304th 305th 306th 307th 308th 309th 310th 311th 312th 313th 314th 315th 316th 317th 318th 319th 320th 321st 322nd 323rd 324th 325th 326th 327th 328th 329th 330th 331st 332nd 333rd 334th 335th 336th 337th 338th 339th 340th 341st 342nd 343rd 344th 345th 346th 347th 348th 349th 350th 351st 352nd 353rd 354th 355th 356th 357th 358th 359th 360th 361st 362nd 363rd 364th 365th 366th 367th 368th 369th 370th 371st 372nd 373rd 374th 375th 376th 377th 378th 379th 380th 381st 382nd 383rd 384th 385th 386th 387th 388th 389th 390th 391st 392nd 393rd 394th 395th 396th 397th 398th 399th 400th 401st 402nd 403rd 404th 405th 406th 407th 408th 409th 410th 411th 412th 413th 414th 415th 416th 417th 418th 419th 420th 421st 422nd 423rd 424th 425th 426th 427th 428th 429th 430th 431st 432nd 433rd 434th 435th 436th 437th 438th 439th 440th 441st 442nd 443rd 444th 445th 446th 447th 448th 449th 450th 451st 452nd 453rd 454th 455th 456th 457th 458th 459th 460th 461st 462nd 463rd 464th 465th 466th 467th 468th 469th 470th 471st 472nd 473rd 474th 475th 476th 477th 478th 479th 480th 481st 482nd 483rd 484th 485th 486th 487th 488th 489th 490th 491st 492nd 493rd 494th 495th 496th 497th 498th 499th 500th 501st 502nd 503rd 504th 505th 506th 507th 508th 509th 510th 511th 512th 513th 514th 515th 516th 517th 518th 519th 520th 521st 522nd 523rd 524th 525th 526th 527th 528th 529th 530th 531st 532nd 533rd 534th 535th 536th 537th 538th 539th 540th 541st 542nd 543rd 544th 545th 546th 547th 548th 549th 550th 551st 552nd 553rd 554th 555th 556th 557th 558th 559th 560th 561st 562nd 563rd 564th 565th 566th 567th 568th 569th 570th 571st 572nd 573rd 574th 575th 576th 577th 578th 579th 580th 581st 582nd 583rd 584th 585th 586th 587th 588th 589th 590th 591st 592nd 593rd 594th 595th 596th 597th 598th 599th 600th 601st 602nd 603rd 604th 605th 606th 607th 608th 609th 610th 611th 612th 613th 614th 615th 616th 617th 618th 619th 620th 621st 622nd 623rd 624th 625th 626th 627th 628th 629th 630th 631st 632nd 633rd 634th 635th 636th 637th 638th 639th 640th 641st 642nd 643rd 644th 645th 646th 647th 648th 649th 650th 651st 652nd 653rd 654th 655th 656th 657th 658th 659th 660th 661st 662nd 663rd 664th 665th 666th 667th 668th 669th 670th 671st 672nd 673rd 674th 675th 676th 677th 678th 679th 680th 681st 682nd 683rd 684th 685th 686th 687th 688th 689th 690th 691st 692nd 693rd 694th 695th 696th 697th 698th 699th 700th 701st 702nd 703rd 704th 705th 706th 707th 708th 709th 710th 711th 712th 713th 714th 715th 716th 717th 718th 719th 720th 721st 722nd 723rd 724th 725th 726th 727th 728th 729th 730th 731st 732nd 733rd 734th 735th 736th 737th 738th 739th 740th 741st 742nd 743rd 744th 745th 746th 747th 748th 749th 750th 751st 752nd 753rd 754th 755th 756th 757th 758th 759th 760th 761st 762nd 763rd 764th 765th 766th 767th 768th 769th 770th 771st 772nd 773rd 774th 775th 776th 777th 778th 779th 780th 781st 782nd 783rd 784th 785th 786th 787th 788th 789th 790th 791st 792nd 793rd 794th 795th 796th 797th 798th 799th 800th 801st 802nd 803rd 804th 805th 806th 807th 808th 809th 810th 811th 812th 813th 814th 815th 816th 817th 818th 819th 820th 821st 822nd 823rd 824th 825th 826th 827th 828th 829th 830th			

TRANSACTION RECORD TYPE D

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CODING INSTRUCTIONS

ENTRY DATA ELEMENT	RECORD	COLUMNS	REMARKS
Record Code	D	1	Value = D
T/MR Number	D	2 - 6	Cols. 2-5 numeric. Col. 6 may be alpha or blank. This field may be duplicated in all following records.
T/MR Line Number	D	7-10	Cols. 7-10 numeric. right-justified.
T/MR Line Number Suffix	D	11	Col. 11 may be alpha or blank.
Operator	D	12	Value B, I, R, D.
(Not Used)	D	13	Blank
T/MRCA Number	D	14-19	Numeric field, right-justified. Field may be left blank.
Effective Date	D	20-23	Numeric field. Format YYMM. Field may be left blank.
Add/Delete Flag	D	24	Values: A, D, or blank.
(Not Used)	D	25	Blank
Sub-Section Description	D	26-50	Alpha/Numeric field, left-justified.
100% Multiple	D	51-53	Numeric field, right-justified. Must not be blank with an "I" operator. Sub-section Description continuation records must have a value of "XXX."
(Not Used)		54-80	Blanks

Figure 5-4

TRANSACTION RECORD TYPE E

TR-72-1515-2

Page 5-22

CODING INSTRUCTIONS

ENTRY DATA ELEMENT	RECORD	COLUMNS	REMARKS
Record Code	E	1	Value = E.
T/MR Number	E	2-6	Cols. 2-5 numeric. Col. 6 may be alpha or blank. This field may be duplicated in all following records.
T/MR Line Number	E	7-10	Cols. 7-10 numeric, right-justified.
T/MR Line Number Suffix	E	11	Col 11 may be alpha or blank.
Operator	E	12	Values: B, I, R, D
(Not Used)	E	13	Blank
T/MRCA Number	E	14-19	Numeric field, right-justified. Field may be left blank.
Effective Date	E	20-25	Numeric field. Format YYYYMM. Field may be left blank.
Add/Delete Flag	E	24	Values: A, D, or blank.
(Not Used)	E	25-26	Blank
Billet Description	E	27-50	Alpha/Numeric field, left-justified.
100% Authorized	E	51-53	Numeric field, right-justified. Must not be blank with 100% for Billet Description continuation records. Must have 2, 3, 4, 5, 6, 7, 8, 9, and all following fields must be blank.
BR (Branch)	E	54	Alpha/Numeric field, left-justified. Must not be blank with 100% for Billet Description continuation records.
T (Type)	E	55	Alpha/Numeric field, left-justified. Must not be blank with 100% for Billet Description continuation records.
B/S (Billet Status)	E	56	Alpha/Numeric field, left-justified. Must not be blank with 100% for Billet Description continuation records.
Pay Grade	E	57-58	Alpha/Numeric field, left-justified. Must not be blank with 100% for Billet Description continuation records.
Alpha Grade	E	59-64	Alpha/Numeric field, left-justified.
W (Weapon)	E	65	Alpha/Numeric field, left-justified. Must not be blank with 100% for Billet Description continuation records.
PAP	E	66	Alpha/Numeric field, left-justified. Must not be blank with 100% for Billet Description continuation records.
PRI-MOS	E	67-70	Numeric field, right-justified. Must not be left blank with 100% for Billet Description continuation records.
EXCP, (Rank/Weapon/MOS Flag)	E	71	Value: blank, 1, 2, 3
FTN (Footnote)	E	72	Alpha or blank. Must not be numeric.
(Not Used)	E	73-80	Blank

* Blank if Billet Description Continuation Record.

Figure 5-10

TRANSACTION RECORD TYPE F

TR-72-1515-5

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CODING INSTRUCTIONS

ENTRY DATA ELEMENT	RECORD	COLUMNS	REMARKS
Record Code	F	1	Value = F
T/MR Number	F	2 - 6	Cols. 2-5 numeric, Col. 6 may be alpha or blank. This field may be duplicated in all following records.
T/MR Line Number	F	7-10	Must be same line number and suffix as Record Type E to which is applies.
T/MR Line Number Suffix	F	11	
Operator	F	12	Values: R or D
(Not Used)	F	13	Blank
T/MRCA Number	F	14-19	Numeric field, right-justified. Field may be left blank.
Effective Date	F	20-23	Numeric field. Format YYYYMM. Field may be left blank.
Add/Delete Flag	F	24	Values: A, D, or blank.
(Not Used)	F	25-45	Blank
Qualifier	F	46	* See Note
MOS-2	F	47-50	"
Qualifier	F	51	"
MOS-3	F	52-55	"
SEP FLAG	F	56	Value = 1 or blank is valid.
Qualifier	F	57	* See Note
EDUC-1	F	58-59	"
Qualifier	F	60	"
EDUC-2	F	61-62	"
Qualifier	F	63	"
Service School-1	F	64-66	"
Qualifier	F	67	"
Service School-2	F	68-70	"
Qualifier	F	71	"
Language-1	F	72-73	"
Qualifier	F	74	"
Language-2	F	75-76	"
Billet Sponsor	F	77-79	Alpha/Numeric field. May be blank.
Security Clearance	F	80	Values: C, S, T, I, or blank.

* All codes that may be used with an "N," "D," or "U" Qualifier Code must be completely coded including the qualifier, or left blank.

Figure 5-11

TR-72-1711-2

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CODING INSTRUCTIONS

ENTRY DATA ELEMENTS	RECORD	COLUMNS	REMARKS
Record Code	G	1	Value = G
T/MR Number	G	2 - 6	Cols. 2-5 numeric. Col. 6 may be alpha or blank. This field may be duplicated in all following records.
T/MR Line Number	G	7-10	Must be same line number and suffix as Record Type E to which it applies
T/MR Line Number Suffix	G	11	
Operator	G	12	Values: I, R, D
(Not Used)	G	13	Blank
T/MRCA Number	G	14-19	Numeric field, right-justified. Field may be left blank.
Effective Date	G	20-23	Numeric field. Format YYMM. Field may be left blank.
Add/Delete Flag	G	24	Values: A, D, or blank.
(Not Used)	G	25	Blank
Footnote Code	G	26	Alpha character. Must not be blank.
FTN Sequence	G	27-28	Numeric field, right-justified. May be left blank only if one text record applies to this line number.
Footnote Text	G	29-78	Alpha/Numeric field, left-justified. May be left blank if Standard Footnote is one employing system generated text.
Unused	G	79-80	Blank

Figure 5-12

5.2.5 Unit Detail Coding Form

In the T/MR system, a unit record is defined as a unique combination of MCC, RUC, PsMCC, PEN, RCN, UIC, MPM, English Description and G/L that applies to a specific T/MR. The purpose of the Unit Detail Coding Form is to detail those T/MR billet lines that apply to a specific unit record. There are two Transaction Record types, H and I, contained on the Unit Detail Coding Form. Their functions are:

<u>Transaction Record</u>	<u>T/MR Maintenance Function</u>
H	Unit Record
I	Lines From-to Record

For initial entry into the system, these Transaction Records should be coded subsequent to completion of the Billet Line Detail Coding Form in that Transaction Record Type I relates directly to the billet lines coded on the Billet Line Detail Coding Form.

The Type H Transaction Record enters the Unit English description and the unique combination of MCC, RUC, PsMCC, PEN, RCN, UIC, MPM, and G/L. The Type I Transaction Record enters the from-to billet lines within a T/MR which relate to that specific unit record. For T/MRs comprised of a single unit such as a rifle company, a Type I Transaction Record would not be required. The larger T/MRs, especially Non-FMF will frequently require more than one Type H transaction record and one or more Type I transaction records may apply to each.

The T/MR System allows up to and including 999 Type H Transaction Records to apply to a single T/MR and imposes no limit on the number of Type I Transaction Records that may apply to a single Type H Transaction Record.

The "Unit Line No." of the Type H Transaction Record is a user assigned sequence number. All Type I Transaction Records applying to a given Type H Transaction Record will use the "unit line no." of that Type H transaction record. If a Type I transaction Record applies to an entire section(s) or sub-section(s) of a T/MR, the user should assure that the "Line From/Line to" includes the line number of the section/subsection description(s).

In the event that a T/MR is resequenced on the MLF, (i.e., all line numbers automatically redesignated in ascending order), the T/MR System will automatically reassign the new "Lines From/To" corresponding to the old line numbers.

When the MLF is accessed based on a Type I Transaction Record the T/MR System logic is "greater than or equal to" for the "Line From" value, and "less than or equal to" for the "Line To" value. It is recommended that the user periodically audit the Unit File Type I Transaction Records against the corresponding T/MR on the MLF to detect any "Lines From/To" that may have been deleted without an appropriate change being made to the Unit File. This audit can be easily written as an "Ad hoc" Mark IV processing request.

Figures 5-13 and 5-14 are a representation of the Unit Detail Coding Form and the backprinted instructions respectively. Figures 5-15 and 5-16 contain the coding instructions for Transaction Records H and I.

T/MR UNIT DETAIL RECORDS

TR-72-1515-5

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RECORD TYPE	KEY FIELDS MUST BE FILLED	OPER. CODE	EFFECT OR USE OF OPERATOR	GENERAL COMMENTS
H OCR CODE 05	RECORD CODE T/MR NO. UNIT LN. NO. (SEE COMMENTS) OPERATOR	I	CREATES A UNIT RECORD	ZERO * \$ LETTER "O" : O WHEN USING THE "D" OPERATOR TO DELETE ALL UNIT RECORDS ASSOCIATED WITH A T/MR, NO "UNIT LINE NUMBERS" ARE REQUIRED TO IDENTIFY THE FIELD TO BE "BLANKED," PLACE A NON-BLANK VALUE ON THE CODING SHEET IN THAT POSITION
		D	DELETES ALL UNIT RECORDS ASSOCIATED WITH THE T/MR NUMBER INCLUDING TYPE "I" RECORDS AND ALL "N" TYPE DISSEMINATION RECORDS	
		R	REPLACES AN INDIVIDUAL FIELD WITH A NON-BLANK VALUE	
		E	ELIMINATES A SINGLE UNIT RECORD AND ITS ASSOCIATED TYPE "I" RECORD	
		B	BLANKS AN INDIVIDUAL FIELD PRESENTLY CONTAINING A VALUE	
I OCR CODE 07	RECORD CODE T/MR NO. UNIT LN. NO. OPERATOR LINE FROM LINE TO	I	CREATES A "FROM-TO" RECORD	ALL "I" TYPE RECORDS ASSOCIATED WITH AN "H" TYPE RECORD ARE AUTOMATICALLY DELETED WHEN A "D" OR "E" OPERATOR IS USED IN A RECORD TYPE "H" TRANSACTION.
		E	ELIMINATES A "FROM-TO" RECORD	

Figure 5-14

TRANSACTION RECORD TYPE H

TR-72-1516-5

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CODING INSTRUCTIONS

ENTRY DATA ELEMENT	RECORD	COLUMNS	REMARKS
Record Code	H	1	Val. = H
T/MR Number	H	2 - 6	Cols. 2-5 numeric, right-justified. Col. 6 alph or blank. This field should be duplicated from previous record.
Unit Line Number	H	7 - 9	Numeric field, right-justified.
(Not Used)	H	10-11	Blanks
Operator	H	12	Values: B, R, I, D, E (When using Code E, a Unit Segment is deleted; the Unit Line Number must be coded. When using Code D, all units within the T/MR are deleted. Unit Line Number must be blank.)
Unit Title	H	13-46	Alpha/Numeric field, left-justified. Must not be blank.
MCC (Monitored Command Code)	H	47-49	Alpha/Numeric field or all blanks.
RUC (Reporting Unit Code)	H	50-54	Numeric field or all blanks.
P _s MCC (Pseudo Monitored Command Code)	H	55-58	Alpha/Numeric field or all blank.
PEN (Program Element Number)	H	59-64	Alpha/Numeric field or all blanks.
RCN (Responsibility Center Number)	H	65-70	Alpha/Numeric field or all blanks.
UIC (Unit Identification Code)	H	71-76	Alpha/Numeric field or all blanks.
MPM (Major Program Memorandum)	H	77-78	Numeric field or all blanks.
G/L (Geographic Locator)	H	79-80	Alpha/Numeric field or all blanks.

Figure 5-15

TRANSACTION RECORD TYPE I

TR-72-1515-5

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CODING INSTRUCTIONS

ENTRY DATA ELEMENT	RECORD	COLUMNS	REMARKS
Record Code	I	1	Value = I
T/MR Number	I	2 - 6	Duplicated from previous record.
Unit Line Number	I	7 - 9	Numeric field, right-justified. Duplicated from H Record.
(Not Used)	I	10-11	Blanks
Operator	I	12	Values: I, E
(Not Used)	I	13-22	Blank
Lines From	I	23-26	Cols. 23-26 numeric, right-justified.
Lines From Suffix	I	27	Col. 27, alpha or blank.
Lines To	I	28-31	Cols. 28-31 numeric, right-justified.
Lines To Suffix	I	32	Col. 32, alpha or blank.
(Not Used)	I	33-80	Blank

Figure 5-16

5.2.6 T/MR Recap Coding Form

There are occasions when it is necessary to consider units in the structure of the Marine Corps for which billet line detail has not been specified. In these instances the T/MR Recap Coding form is used to specify that unit in the T/MR system in Grade and MOS summary format. T/MRs coded in this fashion must have a T/MR Organization Form (Transaction Records Type A and possibly Type B), and may have a Type H Transaction Record from the Unit Detail Coding Form completed also.

It is possible to enter ungraded and excepted civilians in Recap Form although use of this capability is expected to be very rare. The user must simply specify the appropriate Branch, Type and MOS, and place the "number authorized" in the column corresponding to "GS-18."

Figures 5-17 and 5-18 are a representation of the T/MR Recap Coding Form and the backprinted instructions respectively. Figure 3-19 contains the coding instructions for Transaction Record Type J.

	Date	Description of Work	Remarks
1	10/1/53	Completed work on project X. All data collected and analyzed. Final report submitted.	Project completed successfully. All objectives met.
2	10/15/53	Conducted field research in area Y. Collected 50 samples.	Weather conditions favorable. Good results.
3	10/25/53	Reviewed data from field research. Identified trends.	Data consistent with previous findings.
4	11/5/53	Prepared summary report for project X.	Report ready for review.
5	11/15/53	Submitted summary report to supervisor.	Supervisor approved report.

TRANSACTION RECORD TYPE J

TR-72-1515-5

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CODING INSTRUCTIONS

ENTRY DATA ELEMENTS	RECORD	COLUMNS	REMARKS
Personnel Code	J	1	Value - J
T/MR Number	J	2-6	Cols. 2-6 always numeric, never blank. Col. 6 alpha or blank
Time Used	J	7	Blank
PRI-MOV	J	8-11	Always numeric, no blanks permitted
Operator	J	12	Values D, I, or R
Branch	J	13	One alpha, valid codes are M, N, A, F, P, C, or I.
Code	J	14	One alpha, valid codes are O, W, E, N, F, A, G, U.
Serial Number	J	15	Values F, C, R, X, S, BLANK.
T/MR A Number	J	16-21	Always numeric, no blanks permitted.
Effective Date	J	22-25	Cols. 18-19 numeric year, Cols. 20-21 numeric month. Field may be blank.
Add/Delete Flag	J	26	Alpha or blank. Valid codes are A or D
GS-12, GEN. SOYMAI/MGT/SGT	J	27-29	Numeric, right-justified or blank
GS-12, COL. INSGO/MNGT	J	30-32	Numeric, right-justified or blank.
GS-12, LCOL. GNGY	J	33-35	Numeric, right-justified or blank
GS-13, MAJ. SGT	J	36-38	Numeric, right-justified or blank
GS-14, CAPT. SGT	J	39-41	Numeric, right-justified or blank
GS-15, LT COL	J	42-44	Numeric, right-justified or blank
GS-12, WO. CPL	J	45-47	Numeric, right-justified or blank
GS-11, PVT	J	48-50	Numeric, right-justified or blank
GS-10	J	51-53	Numeric, right-justified or blank.
GS-9	J	54-56	Numeric, right-justified or blank
GS-8	J	57-59	Numeric, right-justified or blank.
GS-7	J	60-62	Numeric, right-justified or blank
GS-6	J	63-65	Numeric, right-justified or blank
GS-5	J	66-68	Numeric, right-justified or blank.
GS-4	J	69-71	Numeric, right-justified or blank.
GS-3	J	72-74	Numeric, right-justified or blank.
GS-2	J	75-77	Numeric, right-justified or blank
GS-1	J	78-80	Numeric, right-justified or blank.

Figure 5-19

5.2.7 T/MR Manning Factor Transmittal Coding Form

The use of Manning Factors is an important function of the T/MR System. Creation or modification of a T/MR will require the determination or redetermination of appropriate Manning Factors for that T/MR. Input to the T/MR system of Manning Factor information is by use of the T/MR Manning Factor Transmittal Coding Form. Completion of this form is facilitated by T/MR system outputs. The Manning Factor Coordinator will review the edit/audit transaction register. When he deems necessary, and upon request, a Manning Factor worksheet will be prepared for his use. The Manning Factor worksheet will be an image of the existing data on the file for the T/MRs he selects.

The Manning Factor Transmittal Coding form is designed for the Type K Transaction Record. Entries related to this transaction record are T/MR number, T/MR line number and the appropriate numeric for the various Manning factor/multiple (numbers or Section/Sub-section Multiple authorized for a particular percentage).

When a new T/MR is entered into the T/MR System, or an individual Section Header, Sub-section Header, or Billet Line (Transaction Record Types C, D, or E respectively), the "100% Authorized" value is automatically placed in each of the "Manning Factor/Multiple" cells. This feature requires that the Manning Factor/Multiples must only be modified for those billet lines or section/sub-section headers that actually change at a particular Manning Percentage.

Figures 5-20 through 5-22 are a representation of the Manning Factor Transmittal Coding Form, backprinted instructions, and the coding instructions for the Type K Transaction Record respectively.

TABLE OF MANPOWER REQUIREMENTS (1920)
MASSACHUSETTS FACTORY TRANSMITTAL

[illegible]

T/MR MANNING FACTOR RECORD

TR-72-1215-5

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RECORD TYPE	KEY FIELDS MUST BE FILLED	OPER. CODE	EFFECT OR USE OF OPERATOR	GENERAL COMMENTS
K OCR CODE 11	T/MR NO. T/MR LN. NO.	NONE REQ.	ALL OPERATIONS ARE A "REPLACE" ACTION TO AN INDIVIDUAL FIELD WITH A NUMERIC VALUE (\$ IS A NUMERIC)	ZERO = 0 LETTER "O" . O

Figure 5-21

TRANSACTION RECORD TYPE K

TR-72-1418-5

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CODING INSTRUCTIONS

ENTRY DATA ELEMENT	RECORD	COLUMNS	REMARKS
Record Code	K	1	Value = K
LCM Number	K	2 - 6	C is, 2-5 numeric, right-justified. Col. 6 may be alpha or blank.
LCM Line Number	K	7-10	Cols. 7-10 numeric, right-justified. Col. 11 may be alpha or blank.
LCM Line Number Suffix	K	11	
(Not Used)	K	12-19	Blank
92 Factor/Multiple	F	20-22	Numeric field, right-justified or blank
93 Factor/Multiple	F	23-25	Numeric field, right-justified or blank
94 Factor/Multiple	F	26-28	Numeric field, right-justified or blank
95 Factor/Multiple	F	29-31	Numeric field, right-justified or blank
96 Factor/Multiple	F	32-34	Numeric field, right-justified or blank
97 Factor/Multiple	F	35-37	Numeric field, right-justified or blank
98 Factor/Multiple	F	38-40	Numeric field, right-justified or blank
99 Factor/Multiple	F	41-43	Numeric field, right-justified or blank
01 Factor/Multiple	F	44-46	Numeric field, right-justified or blank
02 Factor/Multiple	F	47-49	Numeric field, right-justified or blank
03 Factor/Multiple	F	50-52	Numeric field, right-justified or blank
(Not Used)	F	53-80	Blank

5.2.8 T/MRCA Cover Sheet Transmittal Coding Form

The T/MRCA Cover Sheet Transmittal Coding Form is an auditing tool designed to make certain that the numeric changes (gross numbers by grade and branch of service) shown on the T/MRCA Cover Sheet are actually effected by the sum total of the transaction during an Edit/Audit cycle. L Type Transaction Records are completed by entering the gross numeric changes by Branch code under the appropriate grade heading for each T/MRCA number. The T/MRCA number may be entered at the end of the transaction record line if desired for visual auditing purposes. This number is not transcribed to the OCR form.

Since gross changes may be either positive or negative, T/MR must be able to recognize negative quantities. In this case an alphabetic letter replaces the right most numeric digit for OCR input of negative gross changes (Keypunch representation is effectively the numeric digit with an "11" overpunch). The ready reference information shown on the back of the coding form includes the instructions for coding negative gross values.

As opposed to the other six forms, this form may be used to address modifications for more than one T/MR. Additionally, more than one T/MRCA can be coded for the same T/MR Number and Branch code combination should the situation arise.

Figures 5-23 through 5-25 are a representation of the T/MRCA Cover Sheet Transmittal coding form, backprinted instructions, and the coding instructions for the L Transaction Record respectively.

72-2-000-1

[illegible]

T/MRCA COVER SHEET TRANSMITTAL RECORD

TR-72-1515-5

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RECORD TYPE	KEY FIELDS MUST BE FILLED	OPER. CODE	EFFECT OR USE OF OPERATOR	GENERAL COMMENTS
L OCR CODE 32	RECORD CODE T/MR NO. BRANCH CODE	NONE REQ.	GROSS NUMBER CHANGES BY "BRANCH" AND "GRADE" ARE COMPARED WITH THOSE COMPUTED FROM INDIVIDUAL TRANSACTIONS AGAINST A GIVEN T/MR DURING EDIT/ AUDIT.	ZERO = # LETTER "O" = O ----- NEGATIVE QUANTITIES ARE INDICATED BY ALPHA CHARAC- TERS IN PLACE OF THE RIGHT MOST NUMERIC DIGIT. # = / (SLASH) 5 = N 1 = J 6 = O 2 = K 7 = P 3 = L 8 = Q 4 = M 9 = R

Figure 5-24

TRANSACTION RECORD TYPE L

TR-72-1516-5

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CODING INSTRUCTIONS

DATA ELEMENTS	RECORD	COLUMNS	REMARKS
Record Code	L	1	Value = L
1/ MR Number	L	2 - 6	Cols. 2-5 numeric, right-justified. Col. 6 may be numeric.
Branch	L	7	One alpha, valid codes are M, N, A, F, P, C, or I.
GEN/GS-18	L	8-10	Numeric value, right-justified. Refer to Section L.
LGEN/GS-17	L	11-13	(Right most position may be alpha- betic)
MGN/GS-16	L	14-16	Numeric; right-justified. Negative quantities will have an 11 zone over- punch in the right most position. If typed and the quantity is negative convert the right most position accord- ing to the following: 0 = / (slash) 1 = J 2 = K 3 = L 4 = M 5 = N 6 = O 7 = P 8 = Q 9 = R The above rules apply to all of the following quantity fields.
BGEN/GS-15	L	17-19	
COL /GS-14	L	20-22	
CAPT /GS-14	L	20-22	
LTCOL /GS-13	L	23-25	
CDR	L	23-25	
MAJ /GS-12	L	26-28	
LCDR	L	26-28	
CAPT /GS-11	L	29-31	
LT	L	29-31	
LT /GS-10	L	32-34	
ENS	L	32-34	
WO/GS-9	L	35-37	
SGTMAJ /GS-8	L	38-40	
HMC	L	38-40	
MGYSGT/GS-7	L	41-43	
ISTSGT /GS-6	L	44-46	
HMC	L	44-46	
MSGT/GS-5	L	47-49	
GYSGT /GS-4	L	50-52	
GMC	L	50-52	
SSGT /GS-3	L	53-55	
HMI	L	53-55	
SGT /GS-2	L	56-58	
HMI	L	56-58	
CPL /GS-1	L	59-61	
HMI	L	59-61	
LCPL /S	L	62-64	
HN	L	62-64	
PVT /NS	L	65-67	
HA	L	65-67	
(Not Used)	L	68-90	Blank

5.2.9 T/MR Distribution Coding Form

The T/MR has the capability to furnish the Distribution related to T/MR Dissemination. The T/MR Unit file is structured to allow inclusion of the Unit Activity Address Code and the number of copies of each T/MR to be disseminated to each Activity Address.

The T/MR System will produce on magnetic tape the distribution of each T/MR by Activity Address Code. This capability allows automatic interfacing with the Publication and Printing Branch (Code ABP) Labeling program.

T/MR Distribution information is maintained in the T/MR system through the vehicle of the T/MR Distribution Coding Form. The only entries required to maintain the Distribution segment of the unit file are the T/MR number, an appropriate operator, the Activity Address Code and the desired number of copies. Figures 5-26 through 5-28 are a representation of the T/MR Distribution Coding Form, backprinted instructions, and Type N Transaction Record coding instructions respectively.

T/MR DISTRIBUTION RECORD

TR-72-1515-5

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RECORD TYPE	KEY FIELDS MUST BE FILLED	OPER. CODE	EFFECT OR USE OF OPERATOR	GENERAL COMMENTS
N OCR CODE 14	RECORD CODE T/MR NO. OPERATOR ACTIVITY ADDRESS CODE	I R E	CREATES AN INDIVIDUAL DISTRIBUTION RECORD LINE. REPLACES "NO. OF COPIES" FIELD OF AN INDIVIDUAL RECORD WITH A NEW NUMERIC VALUE. ELIMINATES A SINGLE DISTRIBUTION RECORD LINE.	ALL "N" TYPE RECORDS ASSOCIATED WITH A T/MR NO. ARE AUTOMATICALLY DELETED WHEN A "D" OPERATOR DELETES UNIT RECORDS IN A RECORD TYPE "H" TRANSACTION

Figure 5-27

TRANSACTION RECORD TYPE N

18-00000

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CODING INSTRUCTIONS

ENTRY DATA ELEMENT	RECORD	COLUMNS	REMARKS
Record Code	N	1	Value N
T/MR Number	N	2 - 6	Cols. 2-5 numeric Col. 6 alpha or blank
(Not Used)	N	7 - 11	Blank
Operator	N	12	Values I, F, R. Must not be blank
(Not Used)	N	13	Blank
Activity Address Code	N	14-20	Numeric field. Must not be blank Left justified.
(Not Used)	N	21	Blank
Number of Copies	N	22-24	Numeric field. Must not be blank Right justified.
(Not Used)	N	25-80	Blank

5.3 OPTICAL CHARACTER RECOGNITION (OCR) PROCEDURES

The following sub-sections delineate the OCR procedures of the T/MR system from a functional viewpoint. This includes a general discussion of the OCR philosophy, data transcription procedures and conventions, and document correction techniques. The relationship of the OCR Procedures to the overall Edit/Audit process is covered in Section 5-4, and the interface with Data System Division requirements is contained in the T/MR Operations (I/O) Manual.

5.3.1 General

The design philosophy of OCR application within the T/MR system has been to exploit the flexibility and simplicity of the Farington 3030 Translator to allow the maximum possible typed text to be written to magnetic tape. The validity of the data, and relationships between data elements can then be thoroughly examined within the T/MR Edit/Audit process. Additionally, the system has been designed from the viewpoint that once a valid OCR transaction has been read and placed on magnetic tape, it should not have to be re-read.

This process utilizes a "White Paper," free form approach, in which transaction records are entered on the standard OCR TYPING GUIDE, NAVMC 10863(7-71). General instructions concerning the preparation of OCR documents are contained in HQO 10460.5 series and the technical aspects of the reader program may be found in the Farington Translator Manual (Publication Number 4900/3).

The T/MR Transaction Record Specifications required by the OCR translator process are set forth in the T/MR Technical Manual.

5.3.2 OCR Transcription Procedure

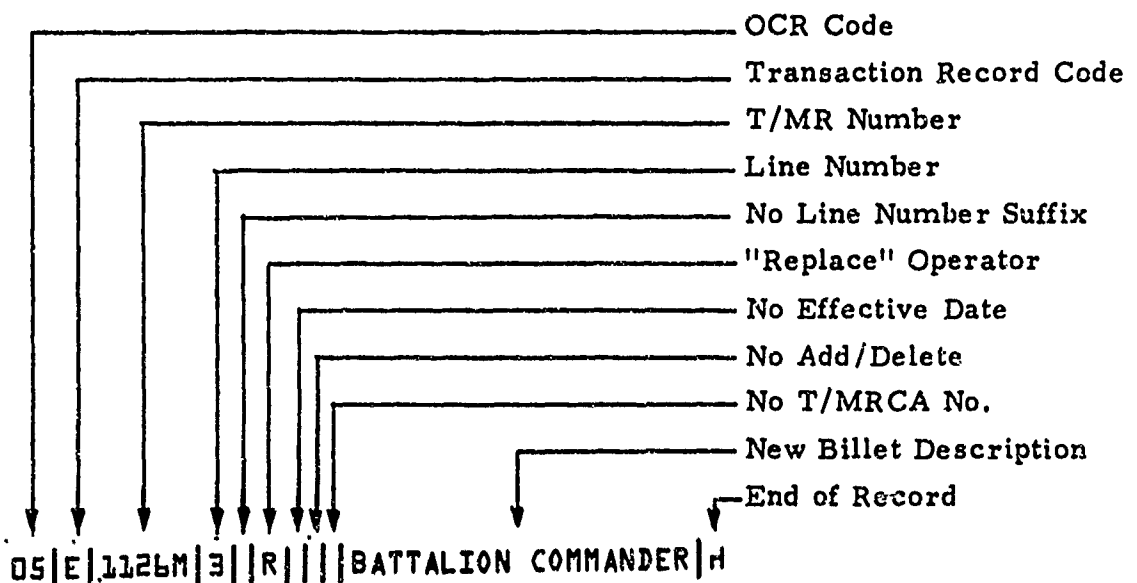
The T/MR OCR Transcription forms discussed in Section 5.2 were designed so that data could be typed directly from the form to the OCR Typing Guide. It should again be noted that the transcription forms reflect card column identification to facilitate punch card preparation should this fall back capability be required. The major difference between using either of these two input mediums is that for OCR input, the OCR code shown to the left of column 1, though not PUNCHED on a card, MUST be the first field TYPED on each OCR Transaction Record entry.

For the purposes of the T/MR transcription form, a FIELD is defined as that area between two solid vertical lines of that Transaction Record Type. Shaded areas on the form are not considered fields. Fields on the OCR input document are indicated by use of the standard OCR Field Separator "|." In those cases where a right justified field has leading spaces or a left justified field has trailing spaces on the transcription form, the OCR typist need only type the significant characters, preceded and followed by field separators. The OCR reader will automatically format these fields to the proper length on magnetic tape. Similarly, if a field is to remain blank, the OCR typist need only type a field separator to represent the field.

Along with certain T/MR transcription conventions set forth in section 5.3.3, preparation of the OCR input is straight forward.

The first characters typed will always be the two digit OCR code followed by a field separator, then the Transaction Record Code followed by a field separator, then the T/MR Number followed by a field separator (see comments on T/MR Number and T/MRCA Number duplication capabilities contained in this section). The next characters typed are a function of the specific transaction record type and the data coded for that transaction. In any case, each field, whether blank or containing data, is terminated by a field separator, out to and including the last non-blank coded field for that transaction record. The typist indicates the end of the transaction record by typing a CHAIR "H" following the last field separator. The OCR reader will format the transaction record to the full 80 character spaces on the magnetic tape.

Example of Billet Line Detail Transaction:



Should a given transaction record exceed the space available on a single typing line, the record can be continued to the next line. The only restriction is that a given field cannot be continued to the next typing line but must be wholly contained on one line terminated with a field separator. As with the general case above, the last field of the record is terminated with a field separator followed by a "d" indicating the end of record.

The OCR reader program also offers the ability to duplicate a field from the immediately preceding transaction record of the same OCR Typing Guide Form. This may be accomplished only if the field is in the same relative position in the two transaction record types respectively. In this case, an ampersand "&" is typed in lieu of the data which otherwise would be required. This capability is useful for those transaction record types in which T/MR Number, T/MRCA Number, and Effective Date satisfy the relative position requirement. The following example illustrates this capability.

01|A|1013M|I|M1013||B|RIFLE CO. INF. BN.|d

02|B|&|R|4|1038M|12|1099M|36|1990M|d

↑
— Duplicates T/MR Number from previous record.

In the event that an incorrect character has been mistakenly typed, the OCR typist merely backspaces, and overtypes a blob "B." The OCR reader ignores a blob or series of blobs; hence an entry of |BA~~B~~TTALION CM~~B~~DR.| would be read as "|BATTALION CMDR.|" When it is desired that an entire line entry be ignored, the OCR typist returns the carriage to the first character on the line and types five interconnected dashes, e.g. ~~03|C|1013M|I|~~.....ETC.

5.3.3 T/MR Data Transcription Conventions

There are several conventions that if consistently followed will enhance the overall OCR transcription process. The first of these was mentioned in section 5.2, and concerns any fields on the OCR transcription forms in which no data is to be entered. If the T/MR Analyst, when coding a form, places an asterisk "*" somewhere in a blank field for that transaction record type, then the OCR typist must only recognize that a field separator stroke is required. Furthermore, if the OCR typist sees that the following fields all contain asterisks, then an end of record symbol "¶" may be typed after the field separator of the last significant data field.

The user is cautioned that the T/MR Line Number Suffix is a field in itself. In accordance with the OCR procedures, therefore, a line number suffix, if any, must be enclosed by field separators. Since cases in which the T/MR line number will require a suffix are relatively infrequent, the OCR typist should adopt the additional convention of stroking a field separator whenever a blank T/MR Line Number Suffix field is encountered.

While the duplication capability, previously described, is available for the second and subsequent transaction record entries on a single OCR Typing Guide page, the occasion may arise when a transaction record entry is rejected by the OCR reader. This situation would cause subsequent transaction record entries, with duplication symbols pertaining to the rejected entry, to be rejected themselves. It is recommended, therefore, that consideration be given

to the length of field to be duplicated. It may be more effective to type a short field than risk rejection of the transaction.

Once prepared, the OCR input forms should be protected from smudging, wrinkling, and mutilation. Any of these conditions may cause page or line rejection by the OCR reader. It is recommended that the OCR input forms be placed in a suitably sized manilla envelope for storage prior to being read. Although actual experience will dictate the best procedures for OCR input preparation, a separate input form for each T/MRCA will facilitate the T/MR Analysts' visual inspection of transcribed data, and provide continuity in T/MRCA audit trail procedures.

5.3.4 OCR Input/Output Procedures

It is appropriate that certain OCR procedures and functional characteristics of the Farington 3030 Reader contained in the T/MR Technical Manual also be highlighted in the T/MR Users Manual. These characteristics pertain to the system's handling of rejected lines and pages, and the console log produced by the reader's on-line electric typewriter.

If, during the "reading process," the OCR reader is unable to recognize a character, the operator has the capability to enter the character via the on-line typewriter. If the OCR reader detects an invalid or unrecognizable entry, the record will be rejected by the machine. When this occurs, a red dot is printed on the OCR form by the machine in the right margin below the applicable line.

When the last line entry on an error free page has been scanned by the reader, a red dot is placed on the lower right hand corner of the page prior to it being placed in the "accepted" bin. All pages containing errors are segregated from the others by placing them in the "rejected" bin and no red dot will appear on the lower right corner.

During the scanning process the on-line typewriter produces a console log which reflects character insertions, error message codes, and a summary count of:

- o Pages rejected (coded PR)
- o Page total (coded PT), includes all pages
- o Records rejected (coded RR)
- o Transcribed (accepted) records (coded TR)

Error messages are identified by page number, line number, and error message code. Page number refers to the sequence that the pages containing errors are placed in the bin; hence, it is important that these pages be kept in the same order as returned until the console log has been reviewed. Figure 5-29 reflects the error message codes and their related meanings. This listing was extracted from the Farington manual and is included for user convenience.

Following analysis of the returned OCR coding forms and console log, the user must determine the appropriate corrective action to be taken. Rejected records must be transcribed to a new OCR input form on a record by record basis.

The user is cautioned that the effectiveness of the OCR process is a direct function of the typist's care in preparing input documents, and the attention given to the cleanliness and adjustment of the OCR typewriter.

FARINGTON 3030 DATA ERROR MESSAGES

ERROR HANDLING

All data records other than those in error are written on tape. Records in error are given an error message on the typewriter console indicating the error condition, page and line number. The page will be marked on the right margin, one line below the line in error. These pages will be sorted to the alternate stacker. Determine error, retype and rescan.

ERROR CONDITIONS

- Error 00 - Character unrecognized by reader on this line.
Using Character Insertion will eliminate this condition.
- Error 05 - 1. Data typed after field continuation symbol
2. Absence of Field Separator symbol before End-of-Record symbol
3. Field Separator: not last character on a line when more than 1 line equals a record
- Error 10 - Input field is too long, i.e., exceeds specified field count.
- Error 15 - Non-numeric character in format specification number. If the first line on the page does not contain format identifier this error occurs.
- Error 20 - Alphabetic or non-specified special character in numeric field.
- Error 25 - Duplication not allowed - either first line attempted dup, or previous record in error, or fields are not of same specification or corresponding fields do not line up in relative character positions.
- Error 30 - Format not defined in table, i.e., format wasn't identified in the OCR specification program.

- Error 35 - Data typed after End-of-Record symbol on this line.
- Error 40 - Multipunch started but not terminated with multipunch symbol.
- Error 45 - More input fields than specified.
- Error 50 - Imbedded blank in numeric field - also preceding or trailing blank.
- Error 55 - Numeric character in Alpha field.
- Error 60 - Initial format 2 digit indicator and other characters not equal to 5 total characters.
- Error 65 - Illegal multipunch called for.
- Error 70 - Last line on page is a continuation line, i.e., no end-of-record symbol. This condition also occurs when all data fields that have been specified have been typed and that line is not terminated by an End-of-Record symbol.

5.4 EDIT/AUDIT

5.4.1 Introduction

T/MR Edit/Audit is the responsibility of the Assistant Chief of Staff G-1, Manpower Control Branch (AOIE). This section is devoted to the details of the T/MR Edit/Audit.

5.4.2 General

Fulfillment of the Manpower Control Branch responsibility to the T/MR Edit/Audit process will require internal coordination in the T/MR functional areas of:

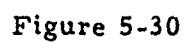
- o T/MR Validation
- o T/MR Data Services
- o Manning/Deployment Support
Factor Coordination

In the discussion which follows, no distinction is made as to the internal division of responsibilities within AOIE for a particular portion of the T/MR Edit/Audit. This is covered by appropriate Headquarters Marine Corps directives and internal AOIE procedures.

Under the former T/O system the Edit/Audit process was performed as a weekly cycle. Experience may show that the T/MR Edit/Audit should also be performed in this manner. In T/MR, however, the Edit/Audit function can be performed at any time.

The flow chart, figure 5-30, shows the T/MR Edit/Audit process and is used as a basis for discussion concerning its accomplishment.

Page 5-60



As a convenience, the T/MR Edit/Audit discussion is divided into the following sub-sections:

- a. Data Preparation
- b. OCR Input
- c. Analysis of OCR Selected Transactions
- d. Edit/Audit Preparation
- e. Edit/Audit Forms Coding
- f. Edit/Audit Follow-up Action

Frequent reference will be made to other sections of the T/MR Manual to avoid redundancy.

4.4.1 Edit/Audit Data Preparation

The T/MR Edit/Audit process starts with a report by a T/MR change which has completed a proper staffing change for the last quarter and has been approved by the change control committee. In the approval process, the appropriate coding forms are prepared. Appropriate T/MR forms are then prepared. The coding forms are then given to the T/MR change control committee. The data to OCR typing guide forms are then prepared. The data are then detailed in section 4.4.4. The data are then prepared for use in operation. The Coding forms will be used to prepare the forms. Due to the nature of the T/MR process, there is a high error in either forms coding or forms coding. The error in the OCR typing guide forms should be minimized and the error in the

5.4.4 Edit/Audit OCR Input Consolidation and Processing

For efficiency, changes will be accumulated for periodic Edit/Audits; however, the T/MR system places no constraints on the number of Edit/Audits that may be conducted prior to system update. Prior to each Edit/Audit cycle the gross number changes from the T/MRCA cover sheets are coded on the T/MRCA Cover Sheet Transmittal Form (see section 5.2.8). This is an auditing tool used to make certain that the gross number changes are compatible with the sum total of the changes effected by the individual transactions. The data from the coding form is transcribed to the OCR typing guide and input for OCR reading along with the other forms submitted for Edit/Audit. Procedures to be followed by Data Systems Division in OCR processing are described in the T/MR Input/Output (I/O) Manual.

5.4.5 OCR Rejected Transaction Analysis

There are certain minimal edits associated with the OCR processing. The Transcription Reader is, however, sensitive to forms alignment and character legibility. Any of several situations may cause an OCR record to be rejected. In these cases it is necessary to analyze the rejected transaction record and have the appropriate corrected transactions input to the OCR typist for reprocessing.

5.4.6 T/MR Edit/Audit Preparation

There are a number of T/MR tables which while internal to the T/MR Edit/Audit process affect the nature of the Edit/Audit and Update output. These tables are functionally related to system output and a

judgment as to their status or currency is required prior to each Edit/Audit or System Update. Examples would be the Suspended Transaction Table (SUSPEND), the Table of T/MRs and T/MR-MCC combinations for which summary cards are to be produced (T/MR-SUM), or the Table of T/MRs for which a Civilian Grade Average report is to be produced (CGA-T/MR). Identification and instructions for the update of these tables is contained in section 3.4.

5.4.7 T/MR Edit/Audit Process

Much of the T/MR Edit/Audit Process is performed by systems programs; hence is transparent to the user. The OCR Processing has produced a tape or tapes of OCR accepted transactions. These and the suspended transaction file (first Edit/Audit of the month only) will be input to the T/MR Edit/Audit routines. For a detailed discussion of the Edit/Audit techniques see section 3.5 (Data Validation). For a comprehensive discussion of the use of the Suspense Table (SUSPEND) and the Suspended Transaction File see section 5.5 (T/MR Update). In the Edit/Audit Process the OCR Accepted Transactions (and the Suspended Transactions if the first Edit/Audit since the last update) will be validated and if accepted placed on the Accepted Transaction file used in the System Update. The user is cautioned that the unit file transactions are subjected to a data validation edit only. No audit (pseudo update of the unit file) is conducted. The user must therefore assure appropriate operator code usage and unit number identification.

5.4.8 Edit/Audit Follow-On Actions

There are four principal outputs from the T/MR Edit/Audit Process. These are:

- o T/MR Checklists
- o The T/MR Transaction Register
- o T/MR MATS and Distribution Tape (when requested)
- o File of Accepted Transactions

The T/MR checklists are distributed to the appropriate T/MR analysts for a visual reference and a verification that the subsequent T/MR Update will produce the desired change.

The Transaction Register contains Accepted, Rejected and Suspended transactions. For each of these it shows an image of the record being changed, and the change/s to be made to that record in the order they will be effected in the update. This allows the user to effect multiple changes to a given record during a single update cycle and includes the capability to modify changes already on the accepted transaction file. Rejected transactions will be followed by applicable Diagnostic Messages. In some cases accepted transactions may be followed by warning messages. Error diagnostics and warning messages are listed in Appendix A.

When T/MR duplimats are produced during an Edit/Audit, the resulting mats will be delivered to the Printing and Publication Branch (ABP) of the Administrative Division for dissemination along with the distribution tape produced in conjunction with the mats.

The Edit/Audit Accepted Transactions will be output on magnetic tape. This file will be added to during subsequent Edit/Audits and utilized as input to the Update process.

5.5 T/MR UPDATE PROCEDURES

5.5.1 General

The T/MR Update is the functional responsibility of the Assistant Chief of Staff, G-1, Manpower Control Branch (AOIE). This section is devoted to the procedures of the T/MR Update.

The function of the T/MR Update is to enter the Accepted Transactions, accumulated over some period of time (probably monthly) into the appropriate T/MR files, to produce certain T/MR reports and to produce a hard copy distribution file for the Publications Branch (ABP), Administrative Division.

The chart, Figure 5-31 shows a macro flow of the T/MR Update procedures. The procedures will be discussed in the following categories:

- o Update Preparation
- o Job Preparation
- o Follow-on Procedures

Frequent reference is made to other sections of this manual to avoid redundancy.

5.5.2 Update Preparation

Prior to a T/MR Update it is necessary to review the T/MR Tables. This is especially true with the Functional Tables which specify the system operation and output from a particular T/MR Update. The Functional Tables are:

- o DUPLITBL
- o CHKLTBL
- o RECAPDUP
- o SUSPEND

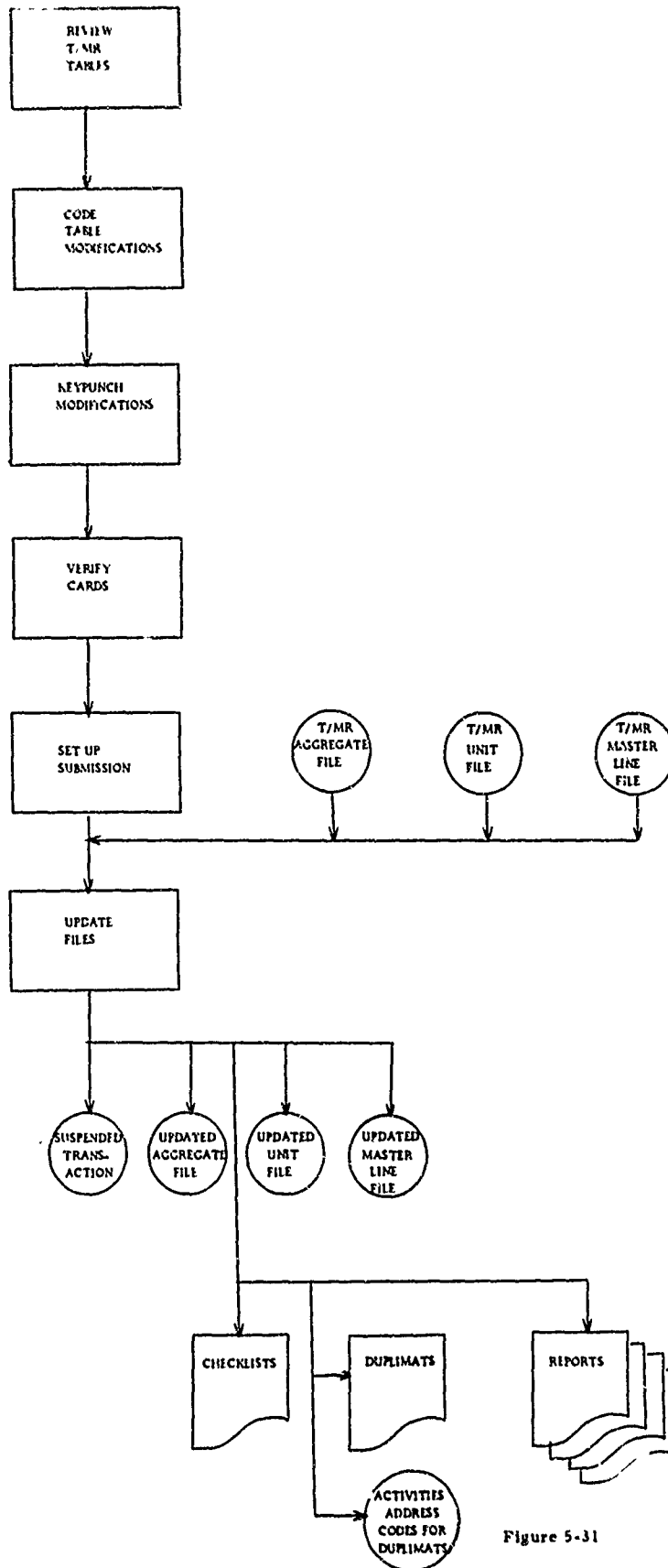


Figure 5-31

The function of each of these tables in the T/MR Update process will be discussed separately. Table update procedures for each of these tables is contained in Section 3.4.

DUPLITBL - a table of Base T/MR numbers for which duplimat format reports and a related distribution file are to be produced during a T/MR Edit/Audit or Update. Base T/MRs affected during an update need not be entered in this table in that duplimats in billet line and recap detail, and distribution file, will automatically be produced for those T/MRs. This table will be automatically purged after each Edit/Audit or Update.

CHKLTBL - a table of T/MRs (Base and/or Higher Level) for which Checklist format reports are to be produced on T/MRs not being changed during a T/MR Edit/Audit or Update. T/MRs affected during an Edit/Audit or Update need not be entered in this table in that checklists in billet line and/or recap detail will be produced automatically for those T/MRs. This table will be automatically purged after each Edit/Audit or Update.

RECAPDUP - a table of Higher Level T/MR numbers for which T/MR Recaps should be produced in duplimat form during a T/MR Edit/Audit or Update. This table will be automatically purged after each Edit/Audit Update. Higher Level T/MR Recap duplimats are not automatically produced during the Update process, but must be explicitly requested by entries in this table.

SUSPEND - a table of T/MRCA numbers for which changes are not to be completed in the current period's Update process. The SUSPEND table is not purged automatically; the T/MRCA number relating to a particular change transaction must be removed

from the SUSPEND file using the procedures detailed in Section 3.4. During Update, the change transactions suspended by the SUSPEND table are used to create a Suspended Transactions file (this file may be considered as carryover accepted transactions). On the first Edit/Audit subsequent to creation of a file of suspended transactions, the suspended transactions pass the Edit/Audit routines at the same time as the OCR accepted transactions and are established on the accepted transactions file (see Section 5.4.6). This action eliminates the suspended transactions file. Checklist format outputs will not be again produced unless the SUSPEND table entry for the T/MRCA has been removed. If the T/MRCA number related to a particular change transaction is still resident in the SUSPEND table, that change will again not be effected and the cycle will be repeated.

T/MR Update preparation can be conceptually reduced to reviewing the Functional table entries, and coding, keypunching, verifying and updating these tables.

5.5.3 Update Job Preparation

File input to the Update process includes the T/MR Aggregate file, Unit file and the Master Line file. These are the files to be updated. The details relating to Update Job preparation are included in Appendix B.

5.5.4 Update Follow-on Procedures

There are seven principal outputs from the T/MR Update process:

- o Updated T/MR Aggregate File
- o Updated T/MR Unit File
- o Updated Master Line File

- o Checklists
- o T/MR duplimats and tape of T/MR distribution related Activity address codes
- o Reports as specified by appropriate tables (see Section 6)

The T/MR Checklists are distributed to AOIE (T/MR validation) and appropriate HQMC staff agencies as a reference document.

When T/MR duplimats are produced the resulting mats and related distribution tape will be delivered to the Printing and Publication Branch (ABP) of the Administrative Division for dissemination.

Reports produced by the T/MR Reports Subsystem will be forwarded to the requesting agency in accordance with established Headquarters Directives.

In addition to the output detailed above, the standard MARK IV messages will specify any unit file transactions or other input that may have failed the system update process.

5.6 SPECIAL MAINTENANCE PROCEDURES

5.6.1 Introduction

This section relates to the performance of Special T/MR File Maintenance functions which are system capabilities available when needed. These capabilities include:

- o Repositioning of T/MR Line Numbers
- o Creation of "Look-Alike" T/MR with old T/MR number
- o Creation of "Look Alike" T/MR with new T/MR number
- o Sequencing of T/MR Line Numbers

These capabilities are exercised through the use of appropriate T/MR M type tables.

5.6.2 Maintenance Tables

The T/MR Maintenance tables and their maintenance functions follow

B5-LN-CH - this table is used to reposition T/MR line numbers within a T/MR. It contains the T/MR number present line number and new T/MR line number. See Section 3.4 and Figure 3-5 for table update procedures.

B5R-D/C - this table is used to redesignate a T/MR with the same number of a T/MR already on the T/MR file; and deletes the old T/MR. Table contains present T/MR numbers and operator codes D (delete) and C (change). See Section 3.4 and Figure 3-6 for table update procedures.

B5R-DUAL - this table is used to create a duplicate image of a new T/MR number. It presents T/MR number and new T/MR number.

B5-SEQ - this table is used to resequence T/MR line numbers, eliminating all Alpha suffixes; it contains the T/MR number of the T/MR to be resequenced.

In Figure 3-3 it should be noted that the Table Type M has an X suffix. This means that these tables will automatically be purged after use.

5.6.3 Special File Maintenance Job Procedures

These file maintenance procedures are conducted exclusive of the update or Edit/Audit process and each of the procedures discussed in Section 5.6.1 has a companion computer program which effects the actions selected by the appropriate table update. Job procedures for these programs are detailed in Appendix B.

RECURRING REPORTS

6.1 INTRODUCTION

There are a number of "hard copy" reports that were published for Headquarters Marine Corps staff agencies prior to conversion of the T/O system to the Table of Manpower Requirements (T/MR) system. In nearly all cases these reports will be available under T/MR. Exceptions are cases where the T/MR system capability obviates the requirement for particular reports. The recurring reports can be considered in two report categories; those necessary to T/MR file maintenance and those provided for interface with T/MR related processes or the specific use of some Headquarters Marine Corps agency. In all cases the Assistant Chief of Staff, G-1, Manpower Control Branch (AO1E) has the responsibility for approving the distribution of T/MR related information.

6.2 SUMMARY OF T/MR RECURRING REPORTS

Figure 6-1 contains a list of the T/MR Recurring Reports produced by the T/MR system. Each report is described by Title of Report or File, Principal User, Frequency of Publication, Medium, T/MR Technical Manual Reference, where applicable a figure reference to an example output format. Where appropriate the table name which controls report production, and comments relating to the particular report are also shown.

6.3 T/MR REPORTS PRODUCTION

TITLE OF REPORT OR FILE	PRIN. USER	FREQ.	MEDIUM	TECH. MAN. REF.	FORMAT REF.	TABLE REF.	COMMENTS
FILE MAINTENANCE REPORTS							
T/MR Checklists (Billet Line Detail and Grade/MOS Recap)	AOIE	WK MO	STOCK PAPER		Fig 6-2 Fig 6-3	CHKLTBL	Requests for checklisting of specific T/MRs will be loaded into a MARK IV table. If the T/MR number exists in the table, print both the Billet Line Detail and the base T/MR Recap by Grade/MOS on standard stock paper.
T/MR Checklists (Higher Level T/MR Grade/MOS Recap) Formerly known as (BATTALION RECAP)	AOIE	MO	STOCK		Fig 6-3	NONE	These checklist recaps will be produced for all higher level T/MRs affected by a change to any of the base T/MRs comprising a portion of that higher level T/MR.
T/MR Dissemination Report	AOIE	AR	STOCK PAPER		NONE	NONE	A listing, by T/MR No. and Organization Description of all Activity Address Codes and the number of copies authorized for distribution.
T/MR Duplmat Billet Line Detail	ABP	AR	DUPLI-MAT		Fig 6-4	DUPLITBL	Print all T/MRs for which a request is made. This is accomplished through user update of a MARK IV table in which the table argument is the five position T/MR number.
T/MR Duplmat Grade/MOS Recaps (Base T/MRs)	ABP	AR	DUPLI-MAT		Fig 6-5	NONE	Print Grade/MOS Recaps for all base T/MRs printed on Duplimate in report above.
T/MR Duplmat Grade/MOS Recaps (Higher Level T/MR)	ABP	AR	DUPLI-MAT		Fig 6-5	RECAPDUP	Print Grade/MOS Recaps for all higher level T/MRs associated with the UPDATED base T/MRs.
T/MR Effective Listing	AOIE	MO	STOCK PAPER		Fig 6-6	NONE	List of all T/MRs, Organization Title and date of last update (MM/DD/YY)
T/MR Multiple List	AOIE	MO	STOCK PAPER		Fig 6-7	NONE	List all Aggregate Multiples for a T/MR summarizing each base and higher level T/MR by Branch/Type categories. Produce a summary line for T/MR 9000 which is "Total Marine Corps Billets."
T/MR Transaction Register	AOIE	WK	STOCK PAPER		Fig 6-8a 6-8b	NONE	List of all accepted and rejected transactions, each preceded by a display of the existing file image of the record in question, and followed by error messages for the rejected transaction records
T/MR Unit List	AOIE	MO	STOCK PAPER		Fig 6-9	NONE	Prints all unit file records and applicable lines From/To records (if any) for each T/MR
Billet Locator	AOIE	AR	STOCK PAPER		NONE	NONE	Based on user specified billet line attributes and sequences, prints image of all selected billet lines. Each billet line followed by footnote text if applicable.

Figure 6-1

TITLE OF REPORT OR FILE	PRIN. USER	FREQ.	MEDIUM	TECH. MAN. REF.	FORMAT REF.	TABLE REF.	COMMENTS
Composition T/MR Listing	AOIE	MO	STOCK PAPER		Fig 6-10	NONE	List the composition multiples and aggregate T/MR numbers associa- ted with each higher level T/MR.
<u>OTHER MANAGE- MENT REPORTS</u> Civilian Grade Aver- age	AOIE	AR	STOCK PAPER		Fig 5-11	CGA/TMR	By T/MR number, indicates the number of graded U. S. Civilians by GS level, the percentage by level of the total rated, and the weighted grade average. As produces a summary for the entire Marine Corps.
Manning Factor Work Sheet	T/O Sponsors	AR	STOCK PAPER		Fig 6-12	MFWSTBL	Display of an entire T/MR in abbreviated billet line detail including manning factors to be used as a working tool in periodic review procedures.
Requirements Informa- tion Process (RIP) Report	AOIE AOIM	AR	STOCK PAPER		NONE		A summary by T/MR Number of 100% authorized Marine/Navy Officers and Enlisted, and U. S. Civilians.
T/MR PAP Report	AOIE	MO	STOCK PAPER		Fig 6-13	PAF-TBL	Summarizes by T/MR Number, PAP within PEN Officer Enlisted totals for non-FMF air and ground.
T/MR Special Educa- tion Program (SEP) Rpt.	DFA	MO	STOCK PAPER		NONE	NONE	Consists of four formats of which two are in billet line detail and two in Grade/MOS recapitulation de- tail. Frequency for format 4 is "as requested." Format 1 lists SEP billets by T/MR Number/Line Number with a summary total by discipline. Format 2 lists SEP billets by T/MR Number/Line Number within discipline. Format 3 is a Grade/Billet MOS matrix by "Necessary" and "Desirable" with- in Discipline. Format 4 is a Grade/Billet MOS matrix by Discipline within MCC.
T/MR Summary File	DFB-5	MO	CARDS or MAG, TAPE		NONE	T/MR-SUM	Based on user specified attributes summarizes 100% enlisted re- quirements by MOS and Grade within MCC.
Ungraded Civilians by Type/MOS	AOIE	AR	STOCK PAPER		NONE	UNGRITBL	By T/MR number, indicates the number of wage board civilians authorized by MOS within wage board category.
Ungraded Civilian Pay Level - Type Matrix	AOIE	AR	STOCK PAPER		NONE	UNGRITBL	By T/MR number, displays a matrix in which the cells are the number authorized, column head- ings are wage board categories (13), and rows are pay level (1 through 97).

Figure 6-1 (continued)

6.3.1 General

In the T/MR there are three general categories of reports:

- o Recurring reports which are produced automatically during a T/MR Edit/Audit or Update run;
- o Ad-hoc reports (see Section 7), and
- o Recurring reports that are produced on a "when desired" basis.

This section is devoted to the production of the last category of reports.

6.3.2 Report Production Tables

In T/MR, production of recurring reports which are produced when requested is controlled through the use of T/MR Reports Tables.

The T/MR Report Table names and their functions follow:

- o CGA/TMR - this is a table of all T/MRs for which a Civilian Grade Average report is to be produced. See Section 3.4 and Figure 3-9 for table update procedures.
- o MFWSTBL - this is a table of T/MRs for which Manning Factor Worksheets are to be produced during a specific report processing run. See Section 3.4 and Figure 3-16 for table update procedures.
- o PAP-TBL - this is a table of PAP Functional Categories which groups various PAP codes for summarization on the PAP report. See Section 3.4 and Figure 3-18 for table update procedures.

- o T/MR-SUM - this is a table of T/MRs and T/MR-MCC combinations for which T/MR summary cards are to be produced. See Section 3.4 and Figure 3-25 for table update procedures.
- o UNGRITBL - this is a table of T/MRs for which the Ungraded Category/Pay Level matrix report is to be produced. See Section 3.4 and Figure 3-26 for table update procedures.

In Figure 3-3 it should be noted that three of these five tables have a Type Code with an X suffix. This means that the tables so indicated are automatically purged after use.

6.3.3 Production of Recurring T/MR Reports

There is a special program called the T/MR Reports Processor which is used to produce T/MR recurring reports. Job procedures for running the T/MR Reports Processor are contained in Appendix B.

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T/MR CHECKLIST

T/MR 5003 SPL ASGN MC, NAVY DEPT, DEPARTMENTAL

T/E NO

LINE NO.	ENGLISH DESCRIPTION	BILL ALPHA SPON GRADE	MOS	F B T S T R Y T N N P A	MARINES OFF ENL	OTHER SERVICES OFF ENL	CONT F/A	CIV P N EOU P	S C LMG SCH	SERV T/MCA	ADD DEL
1	IMMEDIATE OFF OF THE SEC				1 EACH						000065
2	OFFICE OF THE SECNAV										000065
3	SPL ASST AND MARCOR AI	CCL	9910	M O	1						839070
4	PERSONNEL/ADMIN CHIEF	GYSGT	0193	M E	1						638 72
5	ADMIN CLERK	SSGT	0151	M E	1						638 72
5A	WHITE HOUSE LIAISON OFFIC				1 EACH						430065
5B	MARCOR MEMBER	CAPT	9910	Z M O X	1						804 72
5C	MARCOR MEMBER	LT	9910	M O	1						527066
6	OFFICE OF UNDER SECNAV				1 EACH						000065
7	SPL ASST AND MARCOR AI	COL	9910	M O	1						839070
7A	MARCOR MTRS				1						
8	ASST FOR OFFICE MNGT	LT	9910	M O	1						000065
9	ADMIN CLERK	SSGT	0151	M E	1						638 72
10	ADMIN CLERK	SGT	0151	M E	1						638 72
10A	OFFICE OF THE ASST SECNAV				1 EACH						407068
10B	MANPOWER/RESERVE AFFAIRS				1						407068
10C	SPL ASST AND MARCOR AI	LTCOL	9910	M O	1						839070
10D	ADMIN CLERK	CPL	0151	M E	2						638 72
11	OFFICE OF THE ASST SECNAV				1 EACH						000065
12	INSTALLATIONS/LOGISTICS				1 EACH						000065
13	SPL ASST AND MARCOR AI CH	LTCOL	3002	M O	1						723068
14	ADMIN CLERK		N9640								
15	ADMIN CLERK	SSGT	N3002	M E	1						638 72
16	OFFICE OF THE ASST SECNAV	SGT	0151	M E	1						638 72
17	RESEARCH AND DEVELOPMENT				1 EACH						000065
18	SPL ASST/MARCOR AIDE AX	LTCOL	9912	M N	1						885070
19	ADMIN CLERK		N9620								
20	ADMIN CLERK	SSGT	N9912	M E	1						638 72
21	OFFICE OF THE ASST SECNAV	SGT	0151	M E	1						638 72
22	FOR FINANCIAL MANAGEMENT				1 EACH						000065
23	SPL ASST AND MARCOR AI AS	LTCOL	9910	M O	1						347069
24	ADMIN CLERK		N9644								
25	ADMIN CLERK	SSGT	0151	M E	1						638 72
	SECTION TOTAL	SGT	0151	M E	1						638 72
	MARINE				8						12

Figure 6-2

LINE NO.	DESCRIPTION	BILL ALPHA SPON GRADE	MDS	T R Y T N N P A	OFF	MARINES	SERVICES	F/A	CIV	A P	E	S	C	LNG	SCH	SERV	T/MRCA	EFF DATE	ADD DEL
1	IMMEDIATE OFF OF THE SEC					1 EACH											000065		
2	OFFICE OF THE SECNAV					1											000065		
3	SPL ASST AND MARCOR AI	CCL	9910	M O						Z U							839070		
4	PERSONNEL/ADMIN CHIEF	GYSGT	0193	M E		1				Z U							638 72		
5	ADMIN CLERK	SSGT	0151	M E		1 EACH				Z U							638 72		
5A	WHITE HOUSE LIAISON OFFIC																430065		
5B	MARCOR MEMBER	CAPT	9910	Z M O X		1				Z -							804 72		
5C	MARCOR MEMBER	LT	9910	M O		1 EACH				Z U							527066		
6	OFFICE OF UNDER SECNAV					1											000065		
7	SPL ASST AND MARCOR AI	COL	9910	M O		1				Z U							839070		
7A	MARCOR MYRS																		
8	ASST FOR OFFICE MNGT	LT	9910	M O		1				Z U							000065		
9	ADMIN CLERK	SSGT	0151	M E		1				Z U							638 72		
10	ADMIN CLERK	SGT	0151	M E		1				Z U							638 72		
10A	OFFICE OF THE ASST SECNAV					1 EACH											407068		
10B	MANPOWER/RESERVE AFFAIRS					1											407068		
10C	SPL ASST AND MARCOR AI	LTCOL	9910	M O		1				Z U							839070		
10D	ADMIN CLERK	CPL	0151	M E		2 EACH				Z U							638 72		
11	OFFICE OF THE ASST SECNAV					1 EACH											000065		
12	INSTALLATIONS/LOGISTICS					1											000065		
13	SPL ASST AND MARCOR AI CH	LTCOL	3002	M O		1				Z U							723068		
			N9640																
14	ADMIN CLERK					1											638 72		
15	ADMIN CLERK	SSGT	0151	M E		1				Z U							638 72		
16	OFFICE OF THE ASST SECNAV	SGT	0151	M E		1				Z U							000065		
17	RESEARCH AND DEVELOPMENT					1 EACH											000065		
18	SPL ASST/MARCOR AIDE AX	LTCOL	9912	M N		1				Y U							885070		
			N9620																
19	ADMIN CLERK					1											638 72		
20	ADMIN CLERK	SSGT	0151	M E		1				Z U							638 72		
21	OFFICE OF THE ASST SECNAV	SGT	0151	M E		1				Z U							000065		
22	FOR FINANCIAL MANAGEMENT					1 EACH											000065		
23	SPL ASST AND MARCOR AI AS	LTCOL	9910	M O		1				Z U							347069		
			N9644																
24	ADMIN CLERK	SSGT	0151	M E		1				Z U							638 72		
25	ADMIN CLERK	SGT	0151	M E		1				Z U							638 72		
	SECTION TOTAL					8													
	MARINE					12													

Figure 6-2

TABLE OF MANPOWER REQUIREMENTS
RECAPITULATION BY MOS
T/E

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SPL ASCN MC, NAVY DEPT, DEPARTMENTAL

T/MR 5003

LINE NO.	MOS	GS10	GS11	GS12	GS13	GS14	GS15	GS16	GS17	GS18	GS19	GS20	GS21	GS22	GS23	GS24	GS25	GS26	GS27	GS28	GS29	GS30	GS31	GS32	GS33	GS34	GS35	GS36	GS37	GS38	GS39	GS40	GS41	GS42	GS43	GS44	GS45	GS46	GS47	GS48	GS49	GS50	GS51	GS52	GS53	GS54	GS55	GS56	GS57	GS58	GS59	GS60	GS61	GS62	GS63	GS64	GS65	GS66	GS67	GS68	GS69	GS70	GS71	GS72	GS73	GS74	GS75	GS76	GS77	GS78	GS79	GS80	GS81	GS82	GS83	GS84	GS85	GS86	GS87	GS88	GS89	GS90	GS91	GS92	GS93	GS94	GS95	GS96	GS97	GS98	GS99	GS100	GS101	GS102	GS103	GS104	GS105	GS106	GS107	GS108	GS109	GS110	GS111	GS112	GS113	GS114	GS115	GS116	GS117	GS118	GS119	GS120	GS121	GS122	GS123	GS124	GS125	GS126	GS127	GS128	GS129	GS130	GS131	GS132	GS133	GS134	GS135	GS136	GS137	GS138	GS139	GS140	GS141	GS142	GS143	GS144	GS145	GS146	GS147	GS148	GS149	GS150	GS151	GS152	GS153	GS154	GS155	GS156	GS157	GS158	GS159	GS160	GS161	GS162	GS163	GS164	GS165	GS166	GS167	GS168	GS169	GS170	GS171	GS172	GS173	GS174	GS175	GS176	GS177	GS178	GS179	GS180	GS181	GS182	GS183	GS184	GS185	GS186	GS187	GS188	GS189	GS190	GS191	GS192	GS193	GS194	GS195	GS196	GS197	GS198	GS199	GS200	GS201	GS202	GS203	GS204	GS205	GS206	GS207	GS208	GS209	GS210	GS211	GS212	GS213	GS214	GS215	GS216	GS217	GS218	GS219	GS220	GS221	GS222	GS223	GS224	GS225	GS226	GS227	GS228	GS229	GS230	GS231	GS232	GS233	GS234	GS235	GS236	GS237	GS238	GS239	GS240	GS241	GS242	GS243	GS244	GS245	GS246	GS247	GS248	GS249	GS250	GS251	GS252	GS253	GS254	GS255	GS256	GS257	GS258	GS259	GS260	GS261	GS262	GS263	GS264	GS265	GS266	GS267	GS268	GS269	GS270	GS271	GS272	GS273	GS274	GS275	GS276	GS277	GS278	GS279	GS280	GS281	GS282	GS283	GS284	GS285	GS286	GS287	GS288	GS289	GS290	GS291	GS292	GS293	GS294	GS295	GS296	GS297	GS298	GS299	GS300	GS301	GS302	GS303	GS304	GS305	GS306	GS307	GS308	GS309	GS310	GS311	GS312	GS313	GS314	GS315	GS316	GS317	GS318	GS319	GS320	GS321	GS322	GS323	GS324	GS325	GS326	GS327	GS328	GS329	GS330	GS331	GS332	GS333	GS334	GS335	GS336	GS337	GS338	GS339	GS340	GS341	GS342	GS343	GS344	GS345	GS346	GS347	GS348	GS349	GS350	GS351	GS352	GS353	GS354	GS355	GS356	GS357	GS358	GS359	GS360	GS361	GS362	GS363	GS364	GS365	GS366	GS367	GS368	GS369	GS370	GS371	GS372	GS373	GS374	GS375	GS376	GS377	GS378	GS379	GS380	GS381	GS382	GS383	GS384	GS385	GS386	GS387	GS388	GS389	GS390	GS391	GS392	GS393	GS394	GS395	GS396	GS397	GS398	GS399	GS400	GS401	GS402	GS403	GS404	GS405	GS406	GS407	GS408	GS409	GS410	GS411	GS412	GS413	GS414	GS415	GS416	GS417	GS418	GS419	GS420	GS421	GS422	GS423	GS424	GS425	GS426	GS427	GS428	GS429	GS430	GS431	GS432	GS433	GS434	GS435	GS436	GS437	GS438	GS439	GS440	GS441	GS442	GS443	GS444	GS445	GS446	GS447	GS448	GS449	GS450	GS451	GS452	GS453	GS454	GS455	GS456	GS457	GS458	GS459	GS460	GS461	GS462	GS463	GS464	GS465	GS466	GS467	GS468	GS469	GS470	GS471	GS472	GS473	GS474	GS475	GS476	GS477	GS478	GS479	GS480	GS481	GS482	GS483	GS484	GS485	GS486	GS487	GS488	GS489	GS490	GS491	GS492	GS493	GS494	GS495	GS496	GS497	GS498	GS499	GS500	GS501	GS502	GS503	GS504	GS505	GS506	GS507	GS508	GS509	GS510	GS511	GS512	GS513	GS514	GS515	GS516	GS517	GS518	GS519	GS520	GS521	GS522	GS523	GS524	GS525	GS526	GS527	GS528	GS529	GS530	GS531	GS532	GS533	GS534	GS535	GS536	GS537	GS538	GS539	GS540	GS541	GS542	GS543	GS544	GS545	GS546	GS547	GS548	GS549	GS550	GS551	GS552	GS553	GS554	GS555	GS556	GS557	GS558	GS559	GS560	GS561	GS562	GS563	GS564	GS565	GS566	GS567	GS568	GS569	GS570	GS571	GS572	GS573	GS574	GS575	GS576	GS577	GS578	GS579	GS580	GS581	GS582	GS583	GS584	GS585	GS586	GS587	GS588	GS589	GS590	GS591	GS592	GS593	GS594	GS595	GS596	GS597	GS598	GS599	GS600	GS601	GS602	GS603	GS604	GS605	GS606	GS607	GS608	GS609	GS610	GS611	GS612	GS613	GS614	GS615	GS616	GS617	GS618	GS619	GS620	GS621	GS622	GS623	GS624	GS625	GS626	GS627	GS628	GS629	GS630	GS631	GS632	GS633	GS634	GS635	GS636	GS637	GS638	GS639	GS640	GS641	GS642	GS643	GS644	GS645	GS646	GS647	GS648	GS649	GS650	GS651	GS652	GS653	GS654	GS655	GS656	GS657	GS658	GS659	GS660	GS661	GS662	GS663	GS664	GS665	GS666	GS667	GS668	GS669	GS670	GS671	GS672	GS673	GS674	GS675	GS676	GS677	GS678	GS679	GS680	GS681	GS682	GS683	GS684	GS685	GS686	GS687	GS688	GS689	GS690	GS691	GS692	GS693	GS694	GS695	GS696	GS697	GS698	GS699	GS700	GS701	GS702	GS703	GS704	GS705	GS706	GS707	GS708	GS709	GS710	GS711	GS712	GS713	GS714	GS715	GS716	GS717	GS718	GS719	GS720	GS721	GS722	GS723	GS724	GS725	GS726	GS727	GS728	GS729	GS730	GS731	GS732	GS733	GS734	GS735	GS736	GS737	GS738	GS739	GS740	GS741	GS742	GS743	GS744	GS745	GS746	GS747	GS748	GS749	GS750	GS751	GS752	GS753	GS754	GS755	GS756	GS757	GS758	GS759	GS760	GS761	GS762	GS763	GS764	GS765	GS766	GS767	GS768	GS769	GS770	GS771	GS772	GS773	GS774	GS775	GS776	GS777	GS778	GS779	GS780	GS781	GS782	GS783	GS784	GS785	GS786	GS787	GS788	GS789	GS790	GS791	GS792	GS793	GS794	GS795	GS796	GS797	GS798	GS799	GS800	GS801	GS802	GS803	GS804	GS805	GS806	GS807	GS808	GS809	GS810	GS811	GS812	GS813	GS814	GS815	GS816	GS817	GS818	GS819	GS820	GS821	GS822	GS823	GS824	GS825	GS826	GS827	GS828	GS829	GS830	GS831	GS832	GS833	GS834	GS835	GS836	GS837	GS838	GS839	GS840	GS841	GS842	GS843	GS844	GS845	GS846	GS847	GS848	GS849	GS850	GS851	GS852	GS853	GS854	GS855	GS856	GS857	GS858	GS859	GS860	GS861	GS862	GS863	GS864	GS865	GS866	GS867	GS868	GS869	GS870	GS871	GS872	GS873	GS874	GS875	GS876	GS877	GS878	GS879	GS880	GS881	GS882	GS883	GS884	GS885	GS886	GS887	GS888	GS889	GS890	GS891	GS892	GS893	GS894	GS895	GS896	GS897	GS898	GS899	GS900	GS901	GS902	GS903	GS904	GS905	GS906	GS907	GS908	GS909	GS910	GS911	GS912	GS913	GS914	GS915	GS916	GS917	GS918	GS919	GS920	GS921	GS922	GS923	GS924	GS925	GS926	GS927	GS928	GS929	GS930	GS931	GS932	GS933	GS934	GS935	GS936	GS937	GS938	GS939	GS940	GS941	GS942	GS943	GS944	GS945	GS946	GS947	GS948	GS949	GS950	GS951	GS952	GS953	GS954	GS955	GS956	GS957	GS958	GS959	GS960	GS961	GS962	GS963	GS964	GS965	GS966	GS967	GS968	GS969	GS970	GS971	GS972	GS973	GS974	GS975	GS976	GS977	GS978	GS979	GS980	GS981	GS982	GS983	GS984	GS985	GS986	GS987	GS988	GS989	GS990	GS991	GS992	GS993	GS994	GS995	GS996	GS997	GS998	GS999	GS1000	GS1001	GS1002	GS1003	GS1004	GS1005	GS1006	GS1007	GS1008	GS1009	GS1010	GS1011	GS1012	GS1013	GS1014	GS1015	GS1016	GS1017	GS1018	GS1019	GS1020	GS1021	GS1022	GS1023	GS1024	GS1025	GS1026	GS1027	GS1028	GS1029	GS1030	GS1031	GS1032	GS1033	GS1034	GS1035	GS1036	GS1037	GS1038	GS1039	GS1040	GS1041	GS1042	GS1043	GS1044	GS1045	GS1046	GS1047	GS1048	GS1049	GS1050	GS1051	GS1052	GS1053	GS1054	GS1055	GS1056	GS1057	GS1058	GS1059	GS1060	GS1061	GS1062	GS1063	GS1064	GS1065	GS1066	GS1067	GS1068	GS1069	GS1070	GS1071	GS1072	GS1073	GS1074	GS1075	GS1076	GS1077	GS1078	GS1079	GS1080	GS1081	GS1082	GS1083	GS1084	GS1085	GS1086	GS1087	GS1088	GS1089	GS1090	GS1091	GS1092	GS1093	GS1094	GS1095	GS1096	GS1097	GS1098	GS1099	GS1100	GS1101	GS1102	GS1103	GS1104	GS1105	GS1106	GS1107	GS1108	GS1109	GS1110	GS1111	GS1112	GS1113	GS1114	GS1115	GS1116	GS1117	GS1118	GS1119	GS1120	GS1121	GS1122	GS1123	GS1124	GS1125	GS1126	GS1127	GS1128	GS1129	GS1130	GS1131	GS1132	GS1133	GS1134	GS1135	GS1136	GS1137	GS1138	GS1139	GS1140	GS1141	GS1142	GS1143	GS1144	GS1145	GS1146	GS1147	GS1148	GS1149	GS1150	GS1151	GS1152	GS1153	GS1154	GS1155	GS1156	GS1157	GS1158	GS1159	GS1160	GS1161	GS1162	GS1163	GS1164	GS1165	GS1166	GS1167	GS1168	GS1169	GS1170	GS1171	GS1172	GS1173	GS1174	GS1175	GS1176	GS1177	GS1178	GS1179	GS1180	GS1181	GS1182	GS1183	GS1184	GS1185	GS1186	GS1187	GS1188	GS1189	GS1190	GS1191	GS1192	GS1193	GS1194	GS1195	GS1196	GS1197	GS1198	GS1199	GS1200	GS1201	GS1202	GS1203	GS1204	GS1205	GS1206	GS1207	GS1208	GS1209	GS1210	GS1211	GS1212	GS1213	GS1214	GS1215	GS1216	GS1217	GS1218	GS1219	GS1220	GS1221	GS1222	GS1223	GS1224	GS1225	GS1226	GS1227	GS1228	GS1229	GS1230	GS1231	GS1232	GS1233	GS1234	GS1235	GS1236	GS1237	GS1238	GS1239	GS1240	GS1241	GS1242	GS1243	GS1244	GS1245	GS1246	GS1247	GS1248	GS1249	GS1250	GS1251	GS1252	GS1253	GS1254	GS1255	GS1256	GS1257	GS1258	GS1259	GS1260	GS1261	GS1262	GS1263	GS1264	GS1265	GS1266	GS1267	GS1268	GS1269	GS1270	GS1271	GS1272	GS1273	GS1274	GS1275	GS1276	GS1277	GS1278	GS1279	GS1280	GS1281	GS1282	GS1283	GS1284	GS1285	GS1286	GS1287	GS1288	GS1289	GS1290	GS1291	GS1292	GS1293	GS1294	GS1295	GS1296	GS1297	GS1298	GS1299	GS1300	GS1301	GS1302	GS1303	GS1304	GS1305	GS1306	GS1307	GS1308	GS1309	GS1310	GS1311	GS1312	GS1313	GS1314	GS1315	GS1316	GS1317	GS1318	GS1319	GS1320	GS1321	GS1322	GS1323	GS1324	GS1325	GS1326	GS1327	GS132
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T/E

[illegible]

Figure 6-4. T/MR Duplimat Billet Line Detail

DESCRIPTION (5320) NAVMC HQ 681 (3-72)

T/5

[illegible]

Figure: 6-5. T/NR Duplinst Grade/MOS Recap

T/AR RECAPITULATION BY MOS (5320) NAVMC HQ 682 (3-72)

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T/MR EFFECTIVE LIST

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T/MR EFFECTIVE LIST

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T/MR NO	ORGANIZATION DESCRIPTION	DATE OF LAST UPDATE	T/MR NO	ORGANIZATION DESCRIPTION	DATE OF LAST UPDATE
5993	MD. CRUISER W/SPECL CAPABILITY	720613	6120	MARINE BARRACKS, NS, TI, SAN FRANCISCO	720613
5994	MARINE COMMUNICATION DETACHMENT LCC	720613	6121	SCTY CO, MB, NS, TI, SAN FRAN	720613
5994A	MARINE COMMUNICATION DETACHMENT LCC	720613	6122	MB. NAS, ALAMEDA, CALIF.	720613
5995	CCMEAT CARGO OFF, LPA OR LKA	720613	6123	MB. NB, VALLEJO, CALIF.	720613
5996	F AND S ALLOW, PAC	720723	6124	MB. NWS, CONCORD, CALIF.	720613
5997A	MARINE DETACHMENT, SUBMARINE TENDER	720613	6125	MB. NAS, MOFFETT FIELD, CALIF.	720723
5997B	MARINE DETACHMENT, SUBMARINE TENDER	720613	6126	MB. HUNTERS POINT NS, YD, SPRAN	720613
5997C	MARINE DETACHMENT, SUBMARINE TENDER	720613	6127	MB. NAD, HAWTHORNE, NEVADA	720613
5998	MD. ACFT CARRIER W/SPL CAPABILITY	720723	6129	MB. NAS, LENDORE, CALIF.	720613
5998A	MD. ACFT CARRIER W/SPL CAPABILITY	720613	6131	MB. NAVAL TORPEDO STATION, KEYPORT WASH	720723
5999	MD. CRUISER	720613	6132	MB. NAS, WHIDBEY IS, WASH	720613
6011	MB. USNB, NEWPORT RHODE ISLAND	720613	6133	MB. BREMERTON, WASH	720613
6012	MB. NAVAL SHIPYARD, PORTSMOUTH, N. H.	720613	6141	MB. NAS, BARBERS POINT	720613
6013	MB. NAS, QUONSET POINT, R. I.	720613	6142	MB. NAD, OAHU HAWAII	720613
6014	MD. MDC, PORTSMOUTH, N. H.	720613	6143	MB. MB, PEARL HARBOR	720613
6015	MB. USNB, BOSTON, MASS	720613	6151	MB. 15TH ND, RODMAN, C. Z.	720613
6017	MB. NAS, BRUNSWICK, MAINE	720613	6171	MB. USNS, ADAK, ALASKA	720613
6021	MB. USNA, ANNAPOLIS, MD.	720723	6201	MB. NYC, MORCCCO, KENITRA, MOR	720613
6022	MB. FORT MEADE, MD.	720613	6202	MD. NAVACT UNITED KINGDOM, LONDON	720613
6031	MB. MSB NEW LONDON, GROTON, CONN.	720723	6203	MB. USNAV SUPT ACT, NAPLES, ITALY	720613
6032	MB. MAD, EARLE, N. J.	720613	6204	MB. ROT A SPAIN	720613
6033	MB. MD, BROOKLYN, NEW YORK	720613	6207	MB. RS, BERMUDA	720613
6041	MB. USNS, LAKEHURST, N. J.	720613	6208	MB. GUAM, M. I.	720613
6042	MB. USNB, PHILADELPHIA, PA.	720613	6209	MB. USNB, SUBIC BAY, P. I.	720723
6051	MD. HQ, CINCLANTFLT, USNB, NORFOLK, VA	720613	6211	MB. USFLTACT, YOKOSUKA, JAPAN	720613
6053	MB. MB NORFOLK VA	720613	6212	MB. USFLTATC, SASEBO, JAPAN	720613
6055	MB. WMSYD, PORTSMOUTH, VA.	720613	6220	MB. MAYFORICE, KEFLAVIK, ICELAND	720613
6056	MB. NAVPNSSTA, YORKTOWN, VA.	720613	7001	HQ-PERS/ADMIN MCSC ALBANY GA	720723
6057	MB. NAS, PATUXENT RIVER	720613	7002	MATERIEL DIVISION MCSC ALBANY GA	720613
6064	MB. USNAS, JACKSONVILLE, FLA.	720613	7003	REPAIR DIVISION MCSC ALBANY GA	720613
6065	MB. MD, CHARLESTON, S. C.	720613	7004	SCHOOLS DIVISION, MCSC, ALB GA	720613
6066	MB. USNB, KEY WEST, FLA.	720613	7011	SUPPORT SERVICES MCSC BARSTON	720613
6067	MB. NWS, CHASN, S C	720723	7012	MATERIEL DIV, MCSC, BARSTON	720613
6069	MB. NAS, CECIL FIELD, FLA.	720613	7013	REPAIR DIVISION	720613
6082	MB. USNAD, MCLESTER, OKLAHOMA	720723	7020	MARCOR SUPPLY ACTIVITY, PHILADELPHIA	720613
6092	MB. LTC GREAT LAKES ILL	720613	7101	WOMAN MARINE CO, CAMP H. M. SMITH	720613
6101	MB. SAN JUAN	720613	7102	SERVICE COMPANY, CAMP H. M. SMITH	720723
6102	MB. NB GUANTANAMO BAY, CUBA	720613	7103	RANGE/SCHOOL COMPANY, CAMP H. M. SMITH	720613
6104	MB. USNS ROOSEVELT ROADS P R	720613	7191	WOMAN MARINE CO, CAMP ELMORE, VA-	720613
6111	MB. NWS, SEAL BEACH, CALIF.	720613	7192	SUPPORT CO, CAMP ELMORE, VA.	720723
6112	MB. NB, L.A. LONG BEACH, CALIF	720613	7211	HQ CO. HCS BN MCRD SAN DIEGO USMC T/O 7211	720613
6114	MB. MWS, SEAL BEACH, FALLBROCK ANNEX	720723	7212	SVC CO H-S BN MCRD SAN DIEGO	720613
6116	MB. NS, SAN DIEGO, CALIF.	720613	7213	MP CO, H-S BN, MCRD, SAN DIEGO	720613
6119	MB. NAS, NORTH ISLAND, CALIFORNIA	720613	7214	CAS CO, H-S BN, MCRD, SAN DIEGO	720613

Figure 6-6

UNIT	COMPANY	TYPE	DATE	NO.	STATUS	REMARKS	DATE	NO.	STATUS	REMARKS
5208	COMPANY B, MARINE SUPPORT BN		1/9500	50	0	0	0	0	0	0
5204	CO C, MARINE SUPPORT BN		1/9500	60	0	0	0	0	0	0
5206	CO E, MARINE SUPPORT BN		1/9500	77	0	0	0	0	0	0
5208	CO G, MARINE SUPPORT BN		1/9500	53	0	0	0	0	0	0
5210	CO I, MARINE SUPPORT BN		1/9500	44	0	0	0	0	0	0
5212	CO L, MARINE SUPPORT BN		1/9500	60	0	0	0	0	0	0
5503	MC ASGN TO MAAGS, MISSIONS AND		1/9500	2	0	0	0	0	0	0
5980S	SUPP LFTRC, AMPH TRNG COMD LANT		1/9500	8	0	0	0	0	0	1
5986	F AND S ALLOW LANT AND HAVEUR		1/9500	197	0	0	0	0	0	0

Figure 6-7

TABLE OF MANPOWER REQUIREMENTS										PAGE 130
07/15/72	1	2	3	4	5	6	7	8	9	10
	TRANSACTION REGISTER									
12345678901234567890123456789012345678901234567890										
D8471 0163 R	000									
E8471 0164 I 131272	032	WEAPON CODE NOT COMPATIBLE WITH TYPE CODE			2300					
E8471 0165 I 131272R		ASST TO MED ADMIN OFFICE000NEXE7PMC			- 0000					
		121 ADD/DEL FLAG AND EFF DATE MUST BOTH BE COMPLETE								
E8471 0166 I 131272ICE		SUPVR NAVY PERSONNEL OFF000ONE E6PN1			0000					
		032 WEAPON CODE NOT COMPATIBLE WITH TYPE CODE								
		121 ADD/DEL FLAG AND EFF DATE MUST BOTH BE COMPLETE								
E8471 0167 I 131272		RECORDS CLERK			0000					
		032 WEAPON CODE NOT COMPATIBLE WITH TYPE CODE								
E8471 0168 I 131272		RECORDS CLERK			000NEXE4PN3					
		000								
D8471 0169 471 72		MEDICAL ADMIN BRANCH			001					
D8471 0169 I 131272		MEDICAL ADMIN BRANCH			000					
		000								
D8471 0169 R					001					
E8471 0170 I 131272ICE		SUPVR MEDICAL RECORD OFF000ONE E8MMCS			0000					
		032 WEAPON CODE NOT COMPATIBLE WITH TYPE CODE								
		121 ADD/DEL FLAG AND EFF DATE MUST BOTH BE COMPLETE								
E8471 0171 I 131272ERK		MEDICAL RECORDS MAINT CLO00ONE E5HM2			0000					
		032 WEAPON CODE NOT COMPATIBLE WITH TYPE CODE								
		121 ADD/DEL FLAG AND EFF DATE MUST BOTH BE COMPLETE								
E8471 0172 I 131272		MED RECORDS MAINT CLERK 000NEXE5HM2			- 0000					
		000								
D8471 0173 471 72		HEALTH RECORDS BRANCH			001					
D8471 0173 I 131272		HEALTH RECORDS BRANCH			000					
		000								

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TABLE OF MANPOWER REQUIREMENTS
TRANSACTION REGISTER *** ERRORS ONLY ***

07/15/72

1 2 3 4 5 6 7 8 9 10
123456789012345678901234567890123456789012345

E8471 0293 I 131272 013 PAY GRADE CODE INVALID	ELECTRICIAN LINEMAN	002CU 00MG	0000	*** ERROR ***	8471	0293	I	720713
E8471 0294 I 131272 013 PAY GRADE CODE INVALID	ELEC LINEMAN (HELPER)	001CU 00MG	0000	*** ERROR ***	8471	0294	I	720713
E8471 0295 I 131272 013 PAY GRADE CODE INVALID	REF/AIR CON MECH F/MAN	001CU 00MS	0000	*** ERROR ***	8471	0295	I	720713
E8471 0296 I 131272 013 PAY GRADE CODE INVALID	REFRIG & AIR COND MECH	006CU 00MG	0000	*** ERROR ***	8471	0296	I	720713
E8471 0297 I 131272 013 PAY GRADE CODE INVALID	ELECTRICIAN	004CU 00MG	0000	*** ERROR ***	8471	0297	I	720713
E8471 0298 I 131272 013 PAY GRADE CODE INVALID	REFRIG/AIR COND PLANT OP	0001CU 00MG	0000	*** ERROR ***	8471	0298	I	720713
E8471 0300 I 131272 013 PAY GRADE CODE INVALID	GRUNDS GEN FOREMAN	001CU 00MS	0000	*** ERROR ***	8471	0300	I	720713
E8471 0301 I 131272 013 PAY GRADE CODE INVALID	PEST C/E OPERS F/MAN	001CU 00MS	0000	*** ERROR ***	8471	0301	I	720713
E8471 0302 I 131272 013 PAY GRADE CODE INVALID	PEST CONTROL EQUIP OP	002CU 00MG	0000	*** ERROR ***	8471	0302	I	720713
E8471 0303 I 131272 013 PAY GRADE CODE INVALID	PEST CONTROL EQUIP OP	001TCU 00MG	0000	*** ERROR ***	8471	0303	I	720713
E8471 0304 I 131272 013 PAY GRADE CODE INVALID	LABORER	002CU 00MG	0000	*** ERROR ***	8471	0304	I	720713
E8471 0305 I 131272 013 PAY GRADE CODE INVALID	JANITORS	008CU 00MG	0000	*** ERROR ***	8471	0305	I	720713
E8471 0306 I 131272 013 PAY GRADE CODE INVALID	GRUNDS FOREMAN	001CU 00MS	0000	*** ERROR ***	8471	0306	I	720713
E8471 0307 I 131272 013 PAY GRADE CODE INVALID	GARDENER	002CU 00MG	0000	*** ERROR ***	8471	0307	I	720713
E8471 0308 I 131272 013 PAY GRADE CODE INVALID	FIELD TRACTOR OPERATOR	003CU 00MG	0000	*** ERROR ***	8471	0308	I	720713

Figure 6-8b

PAGE 1

TABLE OF MANPOWER REQUIREMENTS
UNIT LIST

07/21/72

T/MR	UNIT	UNIT-TITLE	MCC	PUC	PSMCC	PER	RCN	UIC	MPN	G/L	LINE FROM	LINE TO
10134	001	COMPANY G 2-6-2	122	12176	1250	26211M	308321		11	34		
	002	COMPANY H 2-2-2	122	12177	1250	26211M	308321		11	34		
	003	COMPANY C 1-8-2	122	12215	1250	26211M	308321		11	34		
	004	COMPANY I 3-6-2	122	12185	1250	26211M	308321		11	34		
	005	COMPANY I 3-9-3	124	13235	1330	26211M	467025		14	34		
	006	COMPANY H	122	12227	1250	26211M	308321		11	34		
	007	COMPANY L 3-6-2	122	12187	1250	26211M	308321		11	34		
	008	COMPANY D 1-2-2	122	12116	1250	26211M	308321		11	34		
	009	COMPANY C 1-2-2	122	12115	1250	26211M	308321		11	34		
	010	COMPANY F 2-2-2	122	12125	1250	26211M	308321		11	34		
	011	COMPANY F 2-2-2	122	12124	1250	26211M	308321		11	34		
	012	COMPANY H 2-6-2	122	12177	1250	26211M	308321		11	34		
	013	COMPANY F 2-6-2	122	12175	1250	26211M	308321		11	34		
	014	COMPANY E 2-6-2	122	12174	1250	26211M	308321		11	34		
	015	COMPANY K 3-8-2	122	12236	1250	26211M	308321		11	34		
	016	COMPANY L 30 MAR	121	13137	1500	26211M	467025		12	05		
	017	COMPANY B 1-8-2	122	12214	1250	26211M	308321		11	34		
	018	COMPANY B 3-8-2	122	12238	1250	26211M	308321		11	34		
	019	COMPANY L 3-8-2	122	12237	1250	26211M	308321		11	34		
	020	COMPANY I 30 MAR	121	13135	1500	26211M	467025		12	05		
	021	COMPANY K 3-6-2	122	12186	1250	26211M	308321		11	34		
	022	COMPANY G 2-2-2	122	12126	1250	26211M	308321		11	34		
	023	COMPANY C 30 MAR	130	13115	1500	26211M	467339		12	12		
	024	COMPANY A 30 MAR	130	13113	1500	26211M	467339		12	12		
	025	COMPANY D 1-9-3	124	13216	1350	26211M	467025		14	34		
	026	COMPANY A 1-4-3	124	13163	1350	26211M	467025		14	34		
	027	COMPANY D 1-4-3	124	13165	1350	26211M	467025		14	34		
	028	COMPANY F 2-4-3	124	13174	1350	26211M	467025		14	34		
	029	COMPANY L 3-2-2	122	12137	1250	26211M	308321		11	34		
	030	COMPANY A 1-9-3	124	13213	1350	26211M	467025		14	34		
	031	COMPANY H 3-4-2	122	12138	1250	26211M	308321		11	34		
	032	COMPANY R 1-4-3	124	13164	1350	26211M	467025		14	34		
	033	COMPANY T 3-8-2	122	12235	1250	26211M	308321		11	34		
	034	COMPANY Z 1-2-2	122	12113	1250	26211M	308321		11	34		
	035	COMPANY K 30 MAR	121	13136	1500	26211M	467025		12	05		
	036	COMPANY F 2-9-3	124	13224	1350	26211M	467025		14	34		
	037	COMPANY F	122	12225	1250	26211M	308321		11	34		
	038	COMPANY D 1-8-2	122	12216	1250	26211M	308321		11	34		
	039	COMPANY K 3-2-2	122	12136	1250	26211M	308321		11	34		
	040	COMPANY M 3-9-3	124	13238	1350	26211M	467025		14	34		
	041	COMPANY F 30 MAR	130	13125	1500	26211M	467339		12	12		
	042	COMPANY L 3-9-3	124	13237	1350	26211M	467025		14	34		
	043	COMPANY G 2-4-3	124	13176	1350	26211M	467025		14	34		
	044	COMPANY D 1-6-2	122	12166	1250	26211M	308321		11	34		
	045	COMPANY A 1-6-2	122	12163	1250	26211M	308321		11	34		

Figure 6-9

50000

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TABLE OF MANPOWER REQUIREMENTS
COMBAT 1986-1988-1989

PAGE 6-16

T/MR		ORGANIZATION DESCRIPTION		TOTAL CIVILIAN		AVERAGE GS GRADE	
T/MR		MULT					
7200A	7221A	1					
7200C	7221C	1					
		TOTAL CIVILIAN		1,847		7.83	
7200S	7211S	1					
	7211S	1					
	7211S	1					
	7211S	1					
		TOTAL CIVILIAN		4		8.64	
7210	7211	1					
	7211	1					
	7211	1					
	7211	1					
		TOTAL CIVILIAN		5		7.40	
7210S	7211S	1					
	7211S	1					
7211							

Figure 8-10. T/MR Composition Listing

END

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CIVILIAN(CS) GRADE AVERAGE REPORT

PAGE 1

T/O 5050		MARCOR FIELD SERVICE ASGN										8,50					
TOTAL CIVILIAN		18 AVERAGE GS GRADE															
GS10	GS17	GS16	GS15	GS14	GS13	GS12	GS11	GS10	GS9	GS8	GS7	GS6	GS5	GS4	GS3	GS2	GS1
10%	10%	10%	10%	10%	10%	10%	10%	10%	22,12%	10%	5,5%	5,5%	5,5%	16,0%	5,5%	10%	10%

T/O 5099		HQ USMC										7,60					
TOTAL CIVILIAN		1,047 AVERAGE GS GRADE															
GS10	GS17	GS16	GS15	GS14	GS13	GS12	GS11	GS10	GS9	GS8	GS7	GS6	GS5	GS4	GS3	GS2	GS1
10%	10%	10%	2,0%	4,5%	9,8%	8,1%	6,0%	10%	7,10%	1,2%	13,3%	3,8%	14,8%	12,3%	9,9%	10%	10%

T/O 5130		DISTRICT HQ, MARCOR DISTRICTS										3,60					
TOTAL CIVILIAN		94 AVERAGE GS GRADE															
GS10	GS17	GS16	GS15	GS14	GS13	GS12	GS11	GS10	GS9	GS8	GS7	GS6	GS5	GS4	GS3	GS2	GS1
10%	10%	10%	10%	10%	10%	10%	10%	10%	1,0%	10%	2,1%	2,1%	11,7%	30,1%	15,9%	10%	10%

T/O 5132		OFFICER SELECTION TEAMS										3,19					
TOTAL CIVILIAN		51 AVERAGE GS GRADE															
GS10	GS17	GS16	GS15	GS14	GS13	GS12	GS11	GS10	GS9	GS8	GS7	GS6	GS5	GS4	GS3	GS2	GS1
10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%

Figure 6-11

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TABLE OF MANPOWER REQUIREMENTS
MANNING FACTOR WORKSHEET

PAGE 1

TOUR NO	00100	00097	00095	00093	00090	00087	00085	00083	00080	00078	00075	00070	SECTION DESCRIPTION	ALPHA GRADE	1ST MDS
PAP	RIFLE CO, INF BN, INF REGT														
10134	00000														

RIFLE CO, INF BN, INF REGT, HARDY, FMF

TOTAL 4042

10134 00000

RIFLE CO, INF BN, INF REGT

00010	1	1	1	1	1	1	1	1	1	1	1	1	COMPANY HEADQUARTERS		
00011	1	1	1	1	1	1	1	1	1	1	1	1	COMPANY COMMANDER	CAPT	0302
00012	1	1	1	1	1	1	1	1	1	1	1	1	EXECUTIVE OFFICER	LT	0302
00013	1	1	1	1	1	1	1	1	1	1	1	1	FIRST SERGEANT	1STSGT	9999
00014	1	1	1	1	1	1	1	1	1	1	1	1	QUARTERMASTER	QMSGT	0309
00015	1	1	1	1	1	1	1	1	1	1	1	1	SUPPLY SERGEANT	SGT	0311
00016	1	1	1	1	1	1	1	1	1	1	1	1	PERSONNEL CHIEF	SGT	0182
00017	1	1	1	1	1	1	1	1	1	1	1	1	UNIT DIARY CLERK	LCPL	0302
00018	1	1	1	1	1	1	1	1	1	1	1	1	PERSONNEL CLERK	PVT	0121
00019	1	1	1	1	1	1	1	1	1	1	1	1	MESSENGER	PVT	0311
00020	1	1	1	1	1	1	1	1	1	1	1	1	WEAPONS SECTION		
00021	1	1	1	1	1	1	1	1	1	1	1	1	PLATOON HEADQUARTERS		
00022	1	1	1	1	1	1	1	1	1	1	1	1	PLATOON COMMANDER	LT	0302
00023	1	1	1	1	1	1	1	1	1	1	1	1	PLATOON SERGEANT	QMSGT	0309
00024	1	1	1	1	1	1	1	1	1	1	1	1	MESSENGER	PVT	0311
00025	1	1	1	1	1	1	1	1	1	1	1	1	MACHINE GUN SECTION		
00026	1	1	1	1	1	1	1	1	1	1	1	1	SECTION LEADER	SSGT	0309
00027	1	1	1	1	1	1	1	1	1	1	1	1	3-MACHINE GUN SQDS/EACH		
00028	1	1	1	1	1	1	1	1	1	1	1	1	SQUAD LEADER	SGT	0311
00029	1	1	1	1	1	1	1	1	1	1	1	1	2-MACH GUN TEAM/EACH		

Figure 6-12

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TABLE OF MANPOWER REQUIREMENTS
T/O PAP/PEN STRENGTH REPORT

PAGE 6-19

	T/O NO	PER	P	OFFICERS	EM. ISSUED
			A P		
PAP	TOTAL 6042	24896N	C	7	157
PAP	TOTAL 6042	24896N	V		5
PEN	TOTAL 6042	24896N		7	162
T/O NO	TOTAL 6042			7	162
PAP	TOTAL 6051	24896N	C	3	103
PEN	TOTAL 6051	24896N		3	103
T/O NO	TOTAL 6051			3	103
PAP	TOTAL 6053	24896N	C	11	314
PAP	TOTAL 6053	24896N	J	1	17
PAP	TOTAL 6053	24896N	V		6
PEN	TOTAL 6053	24896N		12	337
T/O NO	TOTAL 6053			12	337
PAP	TOTAL 6055	24896N	C	7	108
PAP	TOTAL 6055	24896N	V		1
PEN	TOTAL 6055	24896N		7	109
PAP	TOTAL 6055	81112N	J	1	8
PAP	TOTAL 6055	81112N	V		3
PEN	TOTAL 6055	81112N		1	11
T/O NO	TOTAL 6055			6	120
PAP	TOTAL 6056	24896N	C	7	201
PEN	TOTAL 6056	24896N		7	201
T/O NO	TOTAL 6056			7	201

Figure 6-13. PAP Report

01/03/73

TABLE OF MANPOWER REQUIREMENTS
PAP STRENGTH BY FUNCTIONAL CATEGORY

PAGE 6-19a

P	OFFICERS	ENLISTED
A		
P		
OPERATING FORCES		
A	1	6
B		23
C	310	8,000
E	18	1,028
F	13	365
G	90	637
H	47	70
I	120	422
	967	18,831
SUPPORTING FORCES		
J	207	1,017
M	733	4,043
V	1,466	7,969
W	293	2,633
Y	182	59
Z	504	286
	3,633	17,827
TRAINING BASES		
J	1,354	9,306
K	593	1,559

Figure 6-13. PAP Report (Cont'd)

01/03/73

TABLE OF MANPOWER REQUIREMENTS
PEN STRENGTH BY FISCAL GUIDANCE CATEGORY

PAGE 6-19b

PEN	OFFICERS	ENLISTED
LAND FORCES		
28010M	5	1
52511M	150	914
52513M	97	648
	252	1,563
TACTICAL AIR FORCES		
24141M	4	122
52512M	138	2,402
	142	2,524
RESEARCH AND DEVELOPMENT		
65801M	5	7
	5	7
MIL ASSIST SERVICE FUNDED		
01006M	108	46

Figure 6-13. PAP Report (Cont'd)

SECTION 7

AD-HOC RETRIEVAL CAPABILITY

7.1 INTRODUCTION

In the T/MR system the term Ad-hoc Retrieval refers to a T/MR informational retrieval that is of a non-recurring nature which may or may not have been previously programmed. The T/MR ad-hoc information retrieval capability has been designed to allow the user to easily and quickly specify and retrieve T/MR information in a variety of formats. Programming effort is minimized through the use of the MARK IV data management system standard reporting function, supplemented by pre-programmed output formats. Additionally, the MARK IV library capability is utilized to allow the user to retain ad-hoc programs in the library for on-call future use without the requirement for reprogramming.

This section describes the T/MR ad-hoc capability, and details the instructions necessary for effective operations.

7.2 GENERAL

T/MR ad-hoc retrievals can be considered in terms of input request type, output format, and retrieval specification. Input requests (retrieval requests) have been considered in three possible request categories. In like fashion ad-hoc output requests are categorized into three types of output formats. The input request types and the output formats are independent, in that any type input request may specify any of the three output formats.

7.2.1 Types of Input Requests

T/MR ad-hoc input requests relate to the types of questions for which T/MR users may desire an ad-hoc retrieval. While any data contained in the T/MR data base can be available for response to an ad-hoc query, all of the ad-hoc requests will be variations of the following types: Unit Specific, Organization Type, or Organizational Independent retrievals.

7.2.1.1 Unit Specific Retrievals. Unit Specific retrievals relate to questions concerning the billet structure attributable to a particular "unit", or may only involve some relationship of "unit" records without regard to authorized billet structure. "Unit" in the T/MR sense is defined as some unique combination of MCC, RUC, PsMCC, UIC, RCN, GEO LOC, MPM, PEN, and UNIT TITLE. The unfamiliar user is referred to Section 3.2 for definitions of these data elements.

7.2.1.2 Organizational Type Retrievals. Organizational Type retrievals relate to questions concerning the structure or billet authorization for a certain type of unit. Note: there may be several or only one of an organizational type in the Marine Corps. For example, questions could relate to T/MR 1013M (Rifle Company) or T/MR 5150 HQ Marine Corps. Again these questions may relate to an entire T/MR or to specific billet lines.

7.2.1.3 Organizational Independent Retrievals. Organizational Independent retrievals involve questions concerning billet line attributes without regard, necessarily, to a specific unit or organization type (T/MR). Examples would be questions concerning additional MOS's, foreign language requirements, billet structure by program element number, etc.

7.2.2 Types of T/MR Ad-Hoc Output

Types of output relate to the output formats which may be specified for any ad-hoc request. For the T/MR ad-hoc retrievals, they are defined as the Grade and MOS Matrix format, Billet Line Detail format, and the Non-Specific format. The grade and MOS Matrix and the Billet Line Detail formats are preprogrammed outputs which may be requested without the necessity for detailed specification in each program.

7.2.2.1 Grade and MOS Matrix Output Format. The Ad-hoc Grade and MOS Matrix output format will be as shown in Figure 6-3, section 6. The Grade and MOS output format may be specified for any type ad-hoc request that relates to billet structure requiring summary aggregations rather than billet detail.

7.2.2.2 Billet Line Detail Output Format. The T/MR ad-hoc billet line detail format will express billet lines in a manner analogous to billet lines shown in the checklist format of Figure 6-2, Section 6. The billet line detail output format may be specified for any ad-hoc retrieval; however, consideration must be given to the fact that the T/MR system has the capability to include base T/MRs on the Master Line file which have been expressed in Grade/MOS summary only. Additionally, all Higher Level T/MR's are carried as Grade/MOS summaries. In these instances, no billet line detail exists.

7.2.2.3 Non-Specific Output Format. The Non-Specific Output format is determined by the conventions of the MARK IV data management system with the aim of providing the requested information in a usable format while minimizing programming effort and computer run time. The non-specific output format can be used with any type input request. It should be used for any retrievals for which the Grade and MOS or Billet Line Detail formats are not required, and information rather than rigid format is paramount.

7.2.3 Retrieval Specification and Procedures

Ad-hoc retrieval specification and procedures are detailed in terms of programming forms completion, to include skeleton, program coding, and program operation of the T/MR ad-hoc computer programs.

7.2.3.1 Ad-Hoc Programming Forms and Coding. The Programming Forms used for ad-hoc retrievals are standard MARK IV forms annotated for the T/MR System applications, and have been partially completed for ease of preparation. The coding used on the forms will be conventional MARK IV coding. The philosophy underlying the partial coding of the forms is to relieve the user from having to program the "house keeping" functions related primarily to the preformatted Billet Line Detail and Grade/MOS Recap output formats.

7.2.3.2 Job Preparation of T/MR Ad-Hoc Programs. Ad-hoc retrievals will be run in a batch process mode. After key punching, ad-hoc retrieval programs submission will be set up in accordance with the instructions contained in Appendix B. Following the job preparation the card deck will be delivered to the Headquarters Marine Corps Computer Center where they will be processed in accordance with instructions contained in the T/MR Operations (I/O) Manual.

7.3 AD-HOC REPORT SPECIFICATION

Exercise of the T/MR Ad-hoc retrieval capability can be considered as two related actions. First, the determination of the report parameters associated with the desired retrieval and completion of the T/MR Ad-hoc retrieval forms appropriate to the desired retrieval.

Determination of the report parameters will require consideration related to the desired report output format, the T/MR data elements and the T/MR files in which the data elements reside. This will lead to specification of the type ad-hoc retrieval desired.

Once the type of ad-hoc retrieval is determined, the completion of appropriate T/MR ad-hoc retrieval forms will completely specify the ad-hoc report request. Figure 7-1, entitled Ad-hoc Retrieval Guide, relates the Type Ad-hoc Retrieval to the T/MR Ad-hoc Retrieval forms required to specify that type retrieval. Additionally, the Ad-hoc Retrieval Guide specifies the order in which the designated forms are to be completed.

7.3.1 Ad-Hoc Report Specification Procedures

Certain logical steps are required prior to utilization of the ad-hoc retrieval guide. These include:

- o Determination of the record selection parameter(s)
- o Determination of the related T/MR data elements
- o Determination of the output format
- o Determination of the T/MR files involved as a function of data element selection, file location, and output format

The logical steps are discussed separately.

Determination of Record Selection Parameters includes consideration of the question being asked; what information is desired? What information must the user furnish to allow the system to respond?

Determination of Related T/MR Data Elements requires an understanding of the data elements in the T/MR system (see Section 3.2, T/MR Data Element Dictionary). It further assures the user that the data is available for the desired response.

What output format is desired? Consideration should be given to volume of response. Is summary information, detail information or matrix information desired?

Which T/MR files contain the desired data elements? Again, what is the specified output? The answer to these two questions will lead to the selection of appropriate column heading on the T/MR ad-hoc retrieval guide. These are listed below for reference:

- o Billet Line Detail- Master Line File and Unit File
- o Billet Line Detail - Master Line File
- o Recapitulation by MOS - Master Line File and Unit File
- o Recap by MOS - Master Line File
- o Non Specific - Master Line File and Unit File
- o Non Specific - Master Line File
- o Non Specific - Aggregate File and Unit File
- o Non Specific - Aggregate File

7.3.2 T/MR Ad-hoc Retrieval Forms Defined

The following basic MARK IV forms are involved in ad-hoc reporting:

- o Processing and Record Selection Form - which provides the ability to make logical decisions, arithmetic operations and data manipulation resulting in the selection of a record for reporting.
- o Output Content Specification - which specifies the T/MR data elements which are to be reported from the selected record.
- o Output Format Specification - which specifies the output medium and formatting constraints of the report.
- o Title Form - which specifies the Title to be printed at the top of each page indicating the content of the ad-hoc report and specifies the user to whom the report is to be routed.

- o Control Field Definition - which specifies work areas required by the processing and record selection process.

Figure 7-1 (Forms Related to Retrieval Type) lists the forms required to exercise the T/MR ad-hoc retrieval capability. Each form shown as Figures 7-2 through 7-18 is preceded by specific coding instructions and narrative discussion to enhance understanding and ease user involvement in the ad hoc process. The forms themselves have been partially pre-hand coded and require only that the user complete appropriate fields or lines.

T/MR ad-hocs are request oriented. In other words, a request is completed when all of the forms required to produce a specific ad-hoc report have been coded by the user. All of the various forms involved are related by means of the field REQUEST NAME (columns 1-8) on all forms. Under T/MR a request is obtained by initially completing an entry to the T/MR Table ADHOCNAM*. For ad hocs, REQUEST NAME which is 8 characters long has a definable format to facilitate uniqueness between T/MR users. The Request Name format is:

- o Organization Code - left justified impositions 1-5. An example would be AO1M2.
- o Report Type - in position 6 specifies a Billet Line Detail (B); Recapitulation by MOS (R); or Non Specific ad hoc (N).
- o Sequence Number - provides the distinction of ad-hocs within a Report Type and User Organization.

The Request Name must be entered on all of the ad hoc coding forms related to the same request. Additionally the Request Name value is also used as the label of a Request Constant to provide uniqueness between work areas in different requests.

* Upon completion of entries to Table ADHOCNAM, the AO1E MARK IV Ad-hoc Report Coordinator will receive a listing of all ad-hoc reports which have been requested.

TYPE AD HOC RETRIEVAL

Forms Related to Retrieval Type	Billet Line Detail Master Line Vs. Unit	Billet Line Detail Master Line	Recap by MOS Master Line Vs. Unit	Recap by MOS Master Line	Non Specific Master Line Vs. Unit or Unit Alone	Non Specific Master Line	Non Specific Aggregate Vs. Unit	Non Specific Aggregate	Figure
MARK IV FORMS									
o ADHOCNAM Table Entry	1	1	1	1					7-2
o Ad Hoc Billet Line Detail/Recap by MOS Control Field Definition	2	2	2	2					7-3
o T/MR Master Line vs. T/MR Unit Billet Line Detail Processing and Record Selection	3								7-4
o T/MR Master Line File Ad Hoc Billet Line Detail Processing and Record Selection		x							7-5
o Ad hoc Billet Line Detail Output Format Specification	4	x	3	3					7-6
o Ad hoc Billet Line Detail Output Content Specification	5	x							7-7
o Recap by MOS Ad hoc Processing and Record Selection T/MR Master Line vs. T/MR Unit			4						7-8
o Recap by MOS Ad hoc Processing and Record Selection T/MR Master Line				4					7-9
o Recap by MOS Ad hoc Output Content Specification			5	5					7-10
o Non Specific Ad hoc Processing and Record Selection T/MR Master Line vs. T/MR Unit					1				7-11
o Non Specific Ad hoc Processing and Record Selection From T/MR Master Line						1			7-12
o Non Specific Ad hoc Processing and Record Selection From T/MR Aggregate Vs. T/MR Unit							1		7-13
o Non Specific Ad hoc Processing and Record Selection T/MR Aggregate								1	7-14
o Non Specific Ad hoc Output Format Specification					2	2	2	2	7-15
o Non Specific Ad hoc Output Content Specification					3	3			7-16
o Non Specific Ad hoc Output Content Specification (Grade MOS Recap) T/MR Aggregate							3	3	7-17
o Non Specific Ad hoc Report Title Form					4	4	4	4	7-18

TABLE DEFINITION

ADHOCNAM TABLE ENTRY

FORM CODE
T.B
9 10

TABLE NAME	TABLE ID
ADHOCNAM	8

TABLE		DELETE?		PRINT		ARGUMENT		RESULT		DECK I. D.	
TABLE TYPE		DELETE?		PRINT TABLE		LENGTH	DATA TYPE	DECIMAL PLACES	LENGTH	DATA TYPE	DECIMAL PLACES
11	<input type="checkbox"/>	12	<input type="checkbox"/>	13	<input type="checkbox"/>	14 15 16 8	17	18	19 20 21 1.80	22	23

[illegible]

Figure 7-2

ADHOCNAM TABLE DEFINITION

CODING INSTRUCTIONS FOR FIGURE 7-2

<u>Field Name</u>	<u>Card Columns</u>	<u>Remarks</u>
AD HOCNAMTE 1	1-11	Constants
AD HOCNAMTE 2		
AD HOCNAMTE 3		
User Organization Code	13-17*	User Organization Left Justified; e.g. AO1M2
Type Report	18*	B" Billet Line Detail "R" Recapitulation by MOS
Sequence No.	19-20*	Sequential No. from 01-99, which uniquely identifies the request within an organization
Result Value	43-72	Up to 90 characters (30 characters per card) of information identifying the request. This is printed as a page title on the ad hoc report.

* Required on ADHOCNAM TEI 1 Card only.

AD HOCNAMTE 4	1-11	Constants
AD HOCNAMTE 5		
AD HOCNAMTE 6		
Control Field Names	43-50	Control 1, Control 4, Control 7
	51-58	Control 2, Control 5,
	59-66	Control 3, Control 6 Up to 7 control fields names may be specified as labels which will print on Control Breaks. Name should be left justified in each field. Control 1 Most Major Control 7 Most Minor

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COMMENTS

This form provides the means for specifying the report title (up to 90 characters) to be printed on the top of each page of a Billet Line or Recap Detail output. Additionally, the last three cards allow the user to specify the labels to be printed for up to seven control break totals. All six cards must be prepared for each ad hoc report even though some portion of the report title text and/or any or all of the control fields are blank. The User Organization Code Type Report and Sequence Number need only be coded on the ADHOCNAM TEI card. All cards must be submitted in the sequence shown on the coding form.

ADHOC BILLET LINE DETAIL/RECAP Page 7-11
 BY MOS CONTROL FIELD DEFINITION

CODING INSTRUCTIONS FOR FIGURE 7-3

<u>Field Name</u>	<u>Card Columns</u>	<u>Remarks</u>
Request Name		
User Organization	1-5	Enter User Organization Code. Left Justified; e.g. AO1M2
Type Report	6	"B"= Billet Line Detail "R"=Recapitulation by MOS
Sequence No.	7-8	Sequential number 01-99 which uniquely identifies the request within an organization
Field Name	11-18	Enter same information as in Cols. 1-8.

COMMENT

This form establishes a 57 character control field and several other temporary fields used in the T/MR Ad hoc logic. The 57 characters of the first card are distributed as follows:

1-6	Control 1
7-6	Control 2
13-6	Control 3
19-6	Control 4
25-6	Control 5
31-6	Control 6
37-6	Control 7
42-3	Sec Mult
45-3	Subsec Mult
48-3	Space
51-1	No of Control Fields
52-5	Line No Save
57-1	Select SW
--- 42-1 ---	Designator ---
44-5	MOS
49-2	Grade
50-1	No Controls
52-5	Line No Save

AD HOC BILLET LINE DETAIL/RECAP

BY MOS

CONTROL FIELD DEFINITION

[illegible]

BILLET LINE DETAIL AD HOC
PROCESSING AND RECORD SELECTION
T/MR MASTER LINE VS. T/MR UNIT
CODING INSTRUCTIONS FOR FIGURE 7-4

<u>Form Code</u> (Pos. 9-10)	<u>Seq No</u> (Pos 11-13)	<u>Field</u>	<u>Card</u> <u>Column</u>	<u>Remarks</u>
ER	-	Request Name	1-8	Enter Request Name - User Org. Code cc 1-5 e.g. AO1M2 - Report Type cc. 6 "B"=Billet Line Detail - Seq. No. cc. 7-8 (sequence of request w/i organization)
		Requestor Name	17-44	Self Explanatory
PR	(All cards)	Request Name	1-8	Same as Request Name on ER form above
PR	003	Request Constant	28-35	Same as Request Name on ER form above
PR	015	Request Constant	60-67	Same as Request Name on ER form above
PR	016	Request Constant	60-67	Same as Request Name on ER Form above
PR	021	Request Constant	60-67	Same as Request Name on ER form above
PR	026	Request Constant	17-24	Same as Request Name on ER form above
PR	029	Request Constant	28-35	Same as Request Name on ER form above
PR	040			The user may begin coding a retrieval at this point. To select a record, the user must branch to seq. no. 900.

CODING INSTRUCTIONS FOR FIGURE 7-4 (Cont'd)

Form Code Pos. 9-10)	Seq No (Pos 11-13)	Field	Card Column	Remarks
PR	900	Request Constant	60-67	Same as Request Name on ER form above.
PR	910	Request Constant	60-67	Same as Request Name on ER form above.
PR	920 *	Qualifier	27	Enter 6 if element from Unit File; Enter 1 if element from Master Line File.
		Control Field 1	28-37	Enter Data Name of element selected to be the most major control field.
		Request Constant	60-67	Same as Request Name on ER form above.
PR	921-926 *			These cards are for lower level controls. Refer to coding instructions for PR 920.
PR	927	No. of Control Fields	28	Enter a value "0" thru 7 for the number of control fields coded on 920 thru 926 on which control breaks are required.
			60-67	Same as Request Name on ER form above.

- * Code only if control break exists otherwise omit card

COMMENT

The precoded entries on this form perform the house keeping functions needed to coordinate the Unit File with the Master Line File. The logic assures that a unit record and From-To Lines (if appropriate) are present. It then determines if section and subsection headers are present and saves the multiples. The user determined selection criteria coding commences at the PR040 card. Following the user selection coding, the program branches to PR900 which specifies the major to minor sort fields

BILLET LINE DETAIL AD HOC
PROCESSING AND RECORD SELECTION

T/MR MASTER LINE VS. T/MR UNIT

1 / MW MASTER LINE VS. 1 / MW ONLY

REQUEST NAME

FORM CODE

REPORT DATE

TELEPHONE/EXT.

REQUESTOR NAME

DIVISION/DEPT.

MAXIMUM ITEMS SELECTED

SELECTION CONTROL

SUMMARY REPORT ONLY?

VERTICAL SPACING

FORMS CONTROL

WIDTH OF PAGE

HEIGHT OF PAGE

LINE NUMBERS?

SPECIAL REQUEST PROCESSING

DECK ID

[illegible]

**BILLET LINE DETAIL AD HOC
PROCESSING AND RECORD SELECTION
T/MR MASTER LINE VS. T/MR UNIT**

REQUEST NAME		FORM CODE		REPORT DATE		REPORT FORMAT										DECK I.D.															
1 8		9 10		11 15												73 80															
17		SR																													
REQUESTOR NAME		TELEPHONE/EXT.		DIVISION/DEPT.		MAXIMUM ITEMS SELECTED										SELECTION CONTROL		SUMMARY REPORT ONLY?		VERTICAL SPACING		FORMS CONTROL		WIDTH OF PAGE		HEIGHT OF PAGE		LINE NUMBERS?		SPECIAL REQUEST PROCESSING	
17		44		45		46 48										49		50		51		52		53		54		55		56	

[illegible]

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PAGE 3 OF 3

REQUEST NAME	FORM CODE	REPORT DATE
1	5 R	11 16
8		

REQUESTOR NAME		TELEPHONE/EXT.		DIVISION/DEPT		MAXIMUM ITEMS SELECTED	SELECTION CONTROL	SUMMARY REPORT ONLY?	VERTICAL SPACING	FORMS CONTROL OF PAGE	WIDTH OF PAGE	HEIGHT OF PAGE	LINE NUMBERS?	SPECIAL REQUEST PROCESSING
8	9	10	11	16	45	45	49	50	51	52	53	54	55	56
7				44	45	48								

**SPECIAL
REQUEST
PROCESSING**

[illegible]

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Figure 7-4 Cont'd

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**BILLET LINE DETAIL AD HOC
PROCESSING AND RECORD SELECTION
TMR MASTER LINE FILE**

CODING INSTRUCTIONS FOR FIGURE 7-5

<u>Form Code</u> (Pos. 9-10)	<u>Seq. No.</u> (Pos. 11-13)	<u>Field</u>	<u>Card Columns</u>	<u>Remarks</u>
ER	-	Request Name	1-8	Enter <u>Request Name</u> - User Organization Code cc. 1-5, e.g. AOIM2. - Report Type cc. 6 B Billet Line Detail - Sequence No. cc. 7-8 (sequence of request within organization)
		Requestor Name	17-44	Self-Explanatory
PR	All cards	Request Name	1-8	Same as <u>Request Name</u> on ER form.
PR	003	Request Constant	28-36	Same as <u>Request Name</u> on ER form.
PR	00	Request Constant	60-67	Same as <u>Request Name</u> on ER form.
PR	009	Request Constant	60-67	Same as <u>Request Name</u> on ER form.
PR	014	Request Constant	60-67	Same as <u>Request Name</u> on ER form.
PR	022	Request Constant	28-36	Same as <u>Request Name</u> on ER form.
PR	030			The user may begin coding a retrieval at this point. To select a record, the user must branch to Sequence No. 000.

PR 000

Refer to Coding Instructions for Figure 7-4

PR 030

COMMENT

The coding on this form is directly analogous to that shown on figure 7-4. Since this is used for retrievals against the Master Line File only, however, many of the house keeping instructions involving the Unit File were not required.

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BILLET LINE DETAIL AD HOC
PROCESSING AND RECORD SELECTION
T/MR MASTER LINE FILE

PAGE 1 OF 3

REQUEST NAME: 1

FORM CODE: ER 9 10

REPORT DATE: 11 16

TELEPHONE/EXT.: 17

DIVISION/DEPT.: 44

MAXIMUM ITEMS SELECTED: 45

SELECTION CONTROL: ☐ 46

SUMMARY REPORT ONLY: ☐ 50

VERTICAL SPACING: ☐ 51

FORMS CONTROL: ☐ 52

WIDTH OF PAGE: ☐ 53

HEIGHT OF PAGE: ☐ 54

LINE NUMBERS: ☐ 55

SPECIAL REQUEST PROCESSING: ☐ 56

DECK I.D.: 73

80

REQUEST NAME	FORM CODE	SEQUENCE NO.	LOGIC LEVEL	CONNECTOR	QUALIFIER	OPERAND A	OPERATION	QUALIFIER	OPERAND B	RESULT	PARTIAL FIELD
	PR001	1	1		24	FECD	EQCC	35126	FIELD NAME B, CONSTANT OR BRANCH FIELD	FIELD NAME C	STARTING CHAR. NUMBER OF CHAR
	PR002	2	1		25	NS	END	30131			07
	PR003	3	1		26	R	C				69
	PR004	4	1		27	R	C				70
	PR005	5	1		28	REC CODE	EQCC				71
	PR006	6	1		29	ALMNL00-X	NECXXX				72
	PR007	7	1		30	NS	011				
	PR008	8	1		31	R	D001				
	PR009	9	1		32	R	1MNL00				
	PR010	10	1		33	GO	END				
	PR011	11	1		34	REC CODE	EQCC				
	PR012	12	1		35	ALMNL00-X	NECXXX				
	PR013	13	1		36	NS	011				
	PR014	14	1		37	R	1MNL00				
	PR015	15	1		38	GO	END				
	PR016	16	1		39	REC CODE	EQCC				
	PR017	17	1		40	ALMNL00-X	NECXXX				
	PR018	18	1		41	NS	011				

T/MR MASTER LINE FILE

DECK I.D. 73 80

REQUEST NAME 1 8

FORM CODE 9 10 16

REPORT DATE 11 16

TELEPHONE/EXT. 17 44

DIVISION/DEPT. 45 48

MAXIMUM ITEMS SELECTED 45 48

SELECTION CONTROL 49

SUMMARY REPORT ONLY? 50

VERTICAL SPACING 51

FORMS CONTROL 52

WIDTH OF PAGE 53

HEIGHT OF PAGE 54

LINE NUMBERS? 55

SPECIAL REQUEST PROCESSING 56

REPORT FORMAT

[illegible]

REQUEST NAME	FORM CODE	REPORT DATE	TELEPHONE/EXT.	DIVISION/DEPT.	MAXIMUM ITEMS SELECTED	SELECTION CONTROL	SUMMARY REPORT ONLY?	VERTICAL SPACING	FORMS CONTROL	WIDTH OF PAGE	HEIGHT OF PAGE	LINE NUMBER?	SPECIAL REQUEST PROCESSING
1	5 8	11 16	9 10	44	45 48	49	50	51	52	53	54	55	56

[illegible]

BILLET LINE DETAIL ADHOC
OUTPUT FORMAT SPECIFICATION

CODING INSTRUCTIONS FOR FIGURE 7-6

<u>Form Code</u> (Pos. 9-10)	<u>Seq. No.</u>	<u>Field</u>	<u>Card</u> <u>Columns</u>	<u>Remarks</u>
E1		Request Name	1-8	Enter Request Name - User Organization Code cc. 1-5 e. g. AO1M2 - Report Type cc. 6 - Seq. No. cc. 7-8 (sequence of re- quest within organization.)



FILE MANAGEMENT SYSTEM

BILLET LINE DEL. L AD HOC

OUTPUT FORMAT SPECIFICATION

informatics inc

1 2 REQUEST NAME

9 10

PAGE OF

DECK I D

73 80

<input type="checkbox"/> 11	SUMMARY REPORT ONLY?
<input type="checkbox"/> 12	VERTICAL SPACING
<input type="checkbox"/> 13	PRINT 8 LINES PER INCH?
<input type="checkbox"/> 14 16	WIDTH OF PAGE
<input type="checkbox"/> 17 19	HEIGHT OF PAGE
<input type="checkbox"/> 20	NUMBER OF REPEATED IMAGES
<input type="checkbox"/> 21	SPECIAL FORMS?
<input type="checkbox"/> 22 23	MAXIMUM NUMBER OF LINES PER PAGE
<input type="checkbox"/> 24 27	MAXIMUM NUMBER OF PAGES
<input type="checkbox"/> 28	PAGE TITLE AT BOTTOM OF PAGE?
<input type="checkbox"/> 29	COLUMN HEADING TYPE
<input type="checkbox"/> 30	COLUMN HEADING POSITION

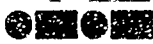
Y, N	CODES BLANK - OR
1 - 9	
Y, N	
A - E, 1 - 132	
A - E, 1 - 132	
1 - 9	
Y, N	
1 - 99	
1 - 9999	
Y, N	
F, X	
T, B	

<input type="checkbox"/> 31 32	DATE POSITION	UL; UR; LL, LR; MT; MB; ND	CODES BLANK - OR
<input type="checkbox"/> 33 34	PAGE NUMBER POSITION	UL; UR; LL, LR; MT; MB; NP	
<input type="checkbox"/> 35 38	START PAGE NUMBERS AT	1 - 9999, OR PAGE	
<input type="checkbox"/> 39	LINE NUMBERS	Y, N; L; R; B	
<input type="checkbox"/> 40	LABELS ON SUMMARY LINES	L, X	
<input type="checkbox"/> 41 42	REPORT HANDLING	NR, RF	
<input type="checkbox"/> 43	ENTIRE RECORD SELECTION	N.O	
<input type="checkbox"/> 44	SUBFILE NAME	8 CHARACTERS	
<input type="checkbox"/> 52 55	SUBFILE BLOCKING FACTOR	1 - 9999	
<input type="checkbox"/> 56	SUBFILE FORMAT	V, F OR U	

Figure 7-6

ADHOC BILLET LINE DETAIL
OUTPUT CONTENT SPECIFICATION
CODING INSTRUCTIONS FOR FIGURE 7-7

<u>Form Code</u> (Pos. 9-10)	<u>Seq. No.</u> (pos. 11-13)	<u>Field</u>	<u>Card</u> <u>Column</u>	<u>Remarks</u>
R1	All cards	Request Name	1-8	Enter Request Name
R1	040	Request Constant	17-24	Enter Request Name
R1	060	Request Constant	17-24	Enter Request Name



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AD HOC BILLET LINE DETAIL

OUTPUT CONTENT SPECIFICATION

FILE MANAGEMENT SYSTEM

PAGE _____ OF _____

DECK 10

73 80

Page 7-25

[illegible]

Figure 7-7

RECAP BY MOS AD HOC
 PROCESSING AND RECORD SELECTION
 T/MR MASTER LINE FILE VS. T/MR UNIT FILES
 CODING INSTRUCTIONS FOR FIGURE 7-8

<u>Form Code</u> (Pos. 9-10)	<u>Seq. No.</u> (Pos. 11-13)	<u>Field</u>	<u>Card</u> <u>Column</u>	<u>Remarks</u>
ER	-	Request Name	1-8	Enter Request Name
PR	All cards			- User Org. Code cc. 1-5, e.g. AO1M2
				- Report Type cc. 6
				"R"=Recap by MOS
				- Seq. No. cc. 7-8 (sequence of the Request w/i organization.)
		Requestor Name	17-44	Self-Explanatory
PR	003	Request Constant	28-35	Same as Request Name
PR	015	Request Constant	60-67	Same as Request Name
PR	016	Request Constant	60-67	Same as Request Name
PR	021	Request Constant	60-67	Same as Request Name
PR	019	Request Constant	1-8	Same as Request Name
PR	000	Request Constant	17-24	Same as Request Name
PR	010	Request Constant	17-24	Same as Request Name
PR	030	Request Constant	17-24	Same as Request Name
		Qualifier	27	Enter 0 if element from Unit file; Enter 1 if element from Master Line file.
PR	040	Control Field 1	28-35	Enter data name from Glossary Most Major Control field.
		Request Constant	60-67	Same as Request Name
(PR)	(041-045)*	.	.	.

CODING INSTRUCTIONS FOR FIGURE 7-8 (Cont'd)

<u>Form Code</u> (Pos. 9-10)	<u>Seq. No.</u> (Pos. 11-13)	<u>Field</u>	<u>Card</u> <u>Column</u>	<u>Remarks</u>
PR	946 *	Qualifier	27	Enter "0" if element from Unit File; Enter "1" if element from Master Line File.
		Control Field 7	28-35	Enter data name from Glossary of the most minor control field.
		Request Constant	60-67	Same as Request Name.
PR	947	Number of Control Fields	28	Enter number (0-7) of control fields coded on sequence nos. 940-946.
		Request Constant	60-67	Same as Request Name

* Code only if control break exists, otherwise omit card.

COMMENT

This form performs a similar function to that shown as figure 7-4. The user selection criteria coding commences at PR030 line and branches to PR900. Note that for Grade/MOS Recaps, MOS is not specified as a control break.

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RECAP BY MOS AD HOC

PROCESSING AND RECORD SELECTION

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PAGE 1 OF 3

REQUESTOR NAME	TELEPHONE/TEXT.	DIVISION/DEPT.	
1	17	44	
REPORT DATE	FORM CODE	MAXIMUM ITEMS SELECTED	SELECTION CONTROL
11	ER	45	49
16	9 10	48	50
SUMMARY REPORT ONLY?	VERTICAL SPACING	FORMS CONTROL	WIDTH OF PAGE
50	51	52	53
HEIGHT OF PAGE	LINE NUMBERS?	SPECIAL REQUEST PROCESSING	
54	55	56	
DECK I.D.			
73			
80			

[illegible]

Figure 7-8

RECAP BY MOS AD HOC

PROCESSING AND RECORD SELECTION

T/MR MASTER LINE VS. T/MR UNIT FILE

FILE MANAGEMENT SYSTEM

REQUEST NAME: _____

FORM CODE: ER

REPORT DATE: 11 16

TELEPHONE/EXT.: _____

REQUESTOR NAME: _____

DIVISION/DEPT.: _____

MAXIMUM ITEMS SELECTED: 44 45 46 47 48 49 50 51 52 53 54 55 56

SUMMARY REPORT ONLY? ☐

SELECTION CONTROL ☐

REPORT FORMAT: _____

WIDTH OF PAGE: 53

HEIGHT OF PAGE: 54

LINE NUMBERS: 55

SPECIAL REQUEST PROCESSING ☐

DECK 1 D

REQUEST NAME	FORM CODE	SEQUENCE NO.	LOGIC LEVEL	CONNECTOR	QUALIFIER	OPERAND A	OPERATION	QUALIFIER	OPERAND B	RESULT	PARTIAL FIELD
						FIELD NAME A			FIELD NAME B, CONSTANT OR BRANCH FIELD		FIELD NAME C
PR019	PR019	1	1	1	1	1	1	1	1	1	1
PR020	PR020	2	2	2	2	2	2	2	2	2	2
PR021	PR021	3	3	3	3	3	3	3	3	3	3
PR022	PR022	4	4	4	4	4	4	4	4	4	4
PR023	PR023	5	5	5	5	5	5	5	5	5	5
PR024	PR024	6	6	6	6	6	6	6	6	6	6
PR025	PR025	7	7	7	7	7	7	7	7	7	7
PR030	PR030	8	8	8	8	8	8	8	8	8	8
PR040	PR040	9	9	9	9	9	9	9	9	9	9
PR041	PR041	10	10	10	10	10	10	10	10	10	10
PR042	PR042	11	11	11	11	11	11	11	11	11	11
PR043	PR043	12	12	12	12	12	12	12	12	12	12
PR044	PR044	13	13	13	13	13	13	13	13	13	13
PR045	PR045	14	14	14	14	14	14	14	14	14	14

T/MR MASTER LINE VS. T/MR UNIT FILE

REQUEST NAME 1 2 3 4 5 6 7 8

FORM CODE 9 10 11 12 13 14 15 16

REPORT DATE 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

TELEPHONE/EXT. 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200

DIVISION/DEPT. 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300

REPORT FORMAT

SUMMARY REPORT ONLY?	SELECTION CONTROL	MAXIMUM ITEMS SELECTED	VERTICAL SPACING	FORMS CONTROL	WIDTH OF PAGE	HEIGHT OF PAGE	LINE NUMBERS?	SPECIAL REQUEST PROCESSING
50	49	45 46 47 48	51	52	53	54	55	56

DECK I.D. 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

[illegible]

RECAP BY MOS ADHOC
PROCESSING AND RECORD SELECTION
T/MR MASTER LINE FILE

CODING INSTRUCTIONS FOR FIGURE 7-9

<u>Form Code</u> (Pos 9-10)	<u>Seq. No.</u> (Pos. 11-13)	<u>Field</u>	<u>Card</u> <u>Columns</u>	<u>Remarks</u>
ER	-	Request Name	1-8	Enter Request Name - User org. code cc. 1-5. e.g. AO1M2. - Report Type cc 6. - Seq. No. cc 7-8 (Sequence of the request w/i organization.)
PR	(All cards)			
		Requestor Name	17-44	Self-explanatory
PR	001	Request Constant	60-67	Enter Request Name
PR	002	Request Constant	28-35	Enter Request Name
PR	007	Request Constant	60-67	Enter Request Name
PR	012	Request Constant	60-67	Enter Request Name
PR	030	User Coding Begins with this card		
PR	900	Request Constant	17-24	Enter Request Name
PR	910	Request Constant	17-24	Enter Request Name
PR	930	Request Constant	17-24	Enter Request Name
PR	940*	Qualifier	27	Enter "0" if element from Unit File; Enter "1" if element from Master Line File.
		Control Field 1	28-35	Enter data name from glossary of most major control field.

CODING INSTRUCTIONS FOR FIGURE 7-9 (Cont'd)

<u>Form Code</u> (Pos 9-10)	<u>Seq. No.</u> (Pos. 11-13)	<u>Field</u>	<u>Card</u> <u>Columns</u>	<u>Remarks</u>
(PR (941 - 945)*)		.		
		.		
		.		
PR	946*	Qualifier	27	Enter "0" if element from Unit File; Enter "1" if element from Master Line File.
		Control Field 7	28-35	Enter data name from glossary of most minor control field.
		Request	60-67	
		Request Constant	60-67	Enter Request Name
PR	947	Number of Control Fields	28	Enter number (0-7) of control fields coded in sequence nos. 940-946.
		Request Constant	60-67	Enter Request Name

* Code only if control break exists, otherwise omit card.

COMMENT

This form performs a similar function to that shown as figure 7-5. The user selection criteria coding commences at the PR920 line and branches to PR900. Note that for Grade/MOS Recaps, MOS is not specified as a control break.



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RECAP BY MOS AD HOC PROCESSING AND RECORD SELECTION T/MR MASTER LINE FILE

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PAGE 1 OF 2

REQUEST NAME	REPORT DATE	TELEPHONE/EXT.	DIVISION/DEPT.	MAXIMUM ITEMS SELECTED	SELECTION CONTROL	SUMMARY REPORT ONLY?	VERTICAL SPACING	FORMS CONTROL	WIDTH OF PAGE	HEIGHT OF PAGE	LINE NUMBERS?	SPECIAL REQUEST PROCESSING
8	11	16	44	45	48	50	51	52	53	54	55	56
9	10	15	17	46	49	51	52	53	54	55	56	57

REQUEST NAME	FORM CODE			SEQUENCE NO.	OPERAND A		OPERATION	OPERAND B		RESULT	PARTIAL FIELD											
	8	9	10		11	12		13	14		15	16	17	18	19							
1	PR	001			24	25	26	27	28	30	31	35	36	58	59	60	67	68	69	70	71	72
	PR	002																				
	PR	003																				
	PR	004																				
	PR	005																				
	PR	006																				
	PR	007																				
	PR	008																				
	PR	009																				
	PR	010																				
	PR	011																				
	PR	012																				
	PR	013																				
	PR	014																				
	PR	015																				
	PR	016																				
	PR	017																				
PR	030																					

START USER CODING																					
-------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



FILE MANAGEMENT SYSTEM

RECAP BY MOS AD HOC PROCESSING AND RECORD SELECTION

T/MR MASTER LINE FILE

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PAGE 2 OF 2

REQUEST NAME	FORM CODE	REPORT DATE	DECK I.D.
1	8	11	73
2	9	12	74
3	10	13	75
4	11	14	76
5	12	15	77
6	13	16	78
7	14	17	79
8	15	18	80

REPORT FORMAT

SUMMARY REPORT ONLY?	VERTICAL SPACING	FORMS CONTROL	WIDTH OF PAGE	HEIGHT OF PAGE	LINE NUMBERS?	SPECIAL REQUEST PROCESSING
49	50	51	52	53	54	55

MAXIMUM ITEMS SELECTED

44	45	46	47	48	49	50	51	52	53	54	55	56
----	----	----	----	----	----	----	----	----	----	----	----	----

DIVISION/DEPT.

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

TELEPHONE/EXT.

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REQUEST NAME	FORM CODE	SEQUENCE NO.	LOGIC LEVEL	CONNECTOR	QUALIFIER	OPERAND A	OPERATION	QUALIFIER	OPERAND B	RESULT	PARTIAL FIELD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	PR910	13	14	15	16	17	24	25	26	27	28	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	PR911	14	15	16	17	18	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	PR912	15	16	17	18	19	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	PR913	16	17	18	19	20	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	PR914	17	18	19	20	21	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	PR915	18	19	20	21	22	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	PR916	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	PR917	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	PR918	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	PR919	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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	PR921	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	PR922	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	PR923	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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	PR927	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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	PR935	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	PR936	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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	PR938	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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	PR940	43	44	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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	PR942	45	46	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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	PR944	47	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	PR945	48	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	PR946	49	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	PR947	50	51	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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	PR949	52	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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Figure 7-9 Cont'd

RECAP BY MOS ADHOC
OUTPUT CONTENT SPECIFICATION
CODING INSTRUCTIONS FOR FIGURE 7-10

<u>Form Code</u> (Pos. 9-10)	<u>Seq. No.</u> (Pos. 11-13)	<u>Field</u>	<u>Card</u> <u>Column</u>	<u>Remarks</u>
R1	(All cards)	Request Name	1-8	Enter Request Name
R1	040	Request Name	17-24	Enter Request Name

NON SPECIFIC ADHOC REPORT
PROCESSING AND RECORD SELECTION
I/MR MASTER LINE VS. I/MR UNIT FILE
CODING INSTRUCTIONS FOR FIGURE 7-11

<u>Form Code</u> (9-10)	<u>Seq. No.</u> (Pos. 11-13)	<u>Field</u>	<u>Card</u> <u>Columns</u>	<u>Remarks</u>
ER	-	Request Name	1-8	Enter Request Name - User Organization Code, cc 1-5, e.g. AO1M2 - Type Report, cc 6. "N" = Non Specific Ad hoc - Sequence No. (of Report within the organization)
PR	(All cards)	Request Name	1-8	Enter Request Name
PR	008	User Coding begins at this line.		

COMMENT

The precoded entries on this form performs the "house keeping" coordination functions between the Unit File and Master Line File analogous to that shown on Figure 7-4.

REQUESTOR NAME

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TELEPHONE/EXT.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

DIVISION/DEPT.

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LINE NUMBERS

1 2 3 4 5 6 7 8

[illegible]

NON SPECIFIC ADHOC REPORT
PROCESSING AND RECORD SELECTION
T/MR MASTER LINE VS. T/MR UNIT
CODING INSTRUCTIONS FOR FIGURE 7-12

<u>Form Code</u>	<u>Seq No.</u>	<u>Field</u>	<u>Card Columns</u>	<u>Remarks</u>
ER	-	Request Name	1-8	Enter Request Name - User Org. Code, cc. 1-5. e. g. AO1M2 - Type Report, cc. 6 "N"=Non Specific ad hoc - Sequence no. of report within organization and type report.
PR	(All cards)	Request	1-8	Request Name
PR	003	User Coding begins at this line.		

FROM T/MR MASTER LINE FILE

REQUESTOR NAME 1 8

FORM CODE ER 9 10

REPORT DATE 11 15

TELEPHONE/EXT. 17 44

DIVISION/DEPT. 44

MAXIMUM ITEMS SELECTED 45 48

SELECTION CONTROL 49

SUMMARY REPORT ONLY? 50

VERTICAL SPACING 51

FORMS CONTROL 52

WIDTH OF PAGE 53

HEIGHT OF PAGE 54

LINE NUMBERS? 55

SPECIAL REQUEST PROCESSING 56

DECK I.D. 73 80

[illegible]

NON SPECIFIC ADHOC
PROCESSING AND RECORD SELECTION
T/MR AGGREGATE FILE VS. UNIT FILE
CODING INSTRUCTIONS FOR FIGURE 7-13

<u>Form Code</u> (9-10)	<u>Seq. No.</u> (11-13)	<u>Field</u>	<u>Card</u> <u>Column</u>	<u>Remarks</u>
ER	-	Request 1-8 Name		Enter Request Name - User Organization Code, cc 1-5, e.g. AO1M2. - Type Report, cc 6, "N" = Non Specific. - Sequence No. (of report within the organization).
PR	(All cards)	Request 1-8 Name		Enter Request Name
PR	006	User Coding begins at this point.		

COMMENT

This Non Specific Ad hoc is provided to perform coordination between the T/MR Aggregate File and the T/MR Unit File. Since some Unit File records are reflective of specific T/MR Line Numbers on the Master Line File, this ad hoc scheme is valid only for T/MRs on the Unit File which has no Line Number Segment.

PROCESSING AND RECORD SELECTION

T/MR AGGREGATE FILE VS. UNIT FILE

1 / MW AGGREGATE FILE VS. UNIT FILE

REQUEST NAME

FORM CODE 9 10

REPORT DATE

REPORT FORMAT

SUMMARY REPORT ONLY?

SELECTION CONTROL

MAXIMUM ITEMS SELECTED

DIVISION/DEPT.

TELEPHONE/EXT.

REQUESTOR NAME

VERTICAL SPACING

FORMS CONTROL

WIDTH OF PAGE

HEIGHT OF PAGE

LINE NUMBERS

SPECIAL REQUEST PROCESSING

DECK I.D.

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NON SPECIFIC ADHOC
PROCESSING AND RECORD SELECTION
T/MR AGGREGATE FILE

CODING INSTRUCTIONS FOR FIGURE 7-14

<u>Form Code</u> (9-10)	<u>Seq. No.</u> (11-13)	<u>Field</u>	<u>Card</u> <u>Column</u>	<u>Remarks</u>
ER	-	Request 1-8 Name		Enter Request Name - User Organization Code, cc 1-5, e.g. AO1M2. - Type Report, cc 6, "N"= Non Specific - Sequence No. (of report within the organization)
PR	(All cards)	Request 1-8 Name		Enter Request Name
PR	003	User coding begins at this point.		

NON SPECIFIC AD HOC
PROCESSING AND RECORD SELECTION

T/MR AGGREGATE FILE

FILE MANAGEMENT SYSTEM

1 / MM AGGREGATE FILE

REQUESTOR NAME

TELEPHONE/EXT.

DIVISION/DEPT.

FORM CODE

REPORT DATE

16

MAXIMUM ITEMS SELECTED

48

44

SELECTION CONTROL

SUMMARY REPORT ONLY?

50

VERTICAL SPACING

51

FORMS CONTROL

52

WIDTH OF PAGE

53

HEIGHT OF PAGE

54

LINE NUMBERS?

55

SPECIAL REQUEST PROCESSING

58

DECK I.D.

73

30

REQUEST NAME	FORM CODE		SEQUENCE NO.	LOGIC LEVEL	CONNECTOR	OPERAND A		OPERATION	OPERAND B		RESULT	PARTIAL FIELD															
	8	9				FIELD NAME A	QUALIFIER		FIELD NAME B, CONSTANT OR BRANCH FIELD	QUALIFIER																	
1	PR	001	11	13	15	16	17	24	25	26	27	28	30	31	35	36	58	59	60	67	68	69	70	71	72	STARTING CHAR. NUMBER OF CHAR.	ENDING CHAR. NUMBER OF CHAR.
	PR	001					FIELD NAME A	FIELD NAME B, CONSTANT OR BRANCH FIELD																			
	PR	002						FIELD NAME A																			
	PR	003																									
	PR																										
	PR																										
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NON SPECIFIC ADHOC REPORT
OUTPUT FORMAT SPECIFICATION

CODING INSTRUCTIONS FOR FIGURE 7-15

<u>Form Code</u>	<u>Seq. No.</u>	<u>Field</u>	<u>Card Columns</u>	<u>Remarks</u>
E	-	Request 1-8 Name		Enter Request Name - User Org. Code, cc. 1-5, e.g. AO1M2. - Type Report, cc-6. "N" = Non Specific Ad hoc - Sequence No. (of request within the organization).

Remainder of specifications may be found in the MARK IV Reference Manual.



FILE MANAGEMENT SYSTEM

NON SPECIFIC AD HOC REPORT OUTPUT FORMAT SPECIFICATION

REQUEST NAME
1 2 3 4 5 6 7 8

E 9 10

<input type="checkbox"/> 11	SUMMARY REPORT ONLY?
<input type="checkbox"/> 12	VERTICAL SPACING
<input type="checkbox"/> 13	PRINT 8 LINES PER INCH?
<input type="checkbox"/> 14 16	WIDTH OF PAGE
<input type="checkbox"/> 17 19	HEIGHT OF PAGE
<input type="checkbox"/> 20	NUMBER OF REPEATED IMAGES
<input type="checkbox"/> 21	SPECIAL FORMS?
<input type="checkbox"/> 22 23	MAXIMUM NUMBER OF LINES PER PAGE
<input type="checkbox"/> 24 27	MAXIMUM NUMBER OF PAGES
<input type="checkbox"/> 28	PAGE TITLE AT BOTTOM OF PAGE?
<input type="checkbox"/> 29	COLUMN HEADING TYPE
<input type="checkbox"/> 30	COLUMN HEADING POSITION

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Figure 7-15

LITHO IN U.S.A

CODES BLANK - OR	
UL: UR; LL;	DATE POSITION
LR, MT, MB; ND	31 32
UL: UR; LL;	PAGE NUMBER POSITION
LR; MT, MB; NP	33 34
1 - 9999;	START PAGE NUMBERS AT
OR PAGE	35 38
Y, N; L, R; B	LINE NUMBERS
L, X	39
NR, RF	LABELS ON SUMMARY LINES
N, C	40
8 CHARACTERS	REPORT HANDLING
1 - 9999	41 42
V, F OR U	ENTIRE RECORD SELECTION
	43
	SUBFILE NAME
	44 51
	SUBFILE BLOCKING FACTOR
	52 55
	SUBFILE FORMAT
	56

CODES BLANK - OR	
Y, N	
1 - 9	
Y, N	
A - E; 1 - 132	
A - E; 1 - 132	
1 - 9	
Y, N	
1 - 99	
1 - 9999	
Y, N	
F, X	
T, B	

NON SPECIFIC ADHOC REPORT
OUTPUT CONTENT SPECIFICATION
CODING INSTRUCTIONS FOR FIGURE 7-16

<u>Form Code</u>	<u>Seq. No.</u>	<u>Field</u>	<u>Card Columns</u>	<u>Remarks</u>
R1	-	Request Name	1-8	Enter Request Name - User Org. Code, cc. 1-5 e.g. AO1M2 - Type Report, cc-6. "N"=Non Specific Ad hoc - Sequence No. (of request within the organization).

Remainder of specification may be found in the MARK IV Reference

Manual.

[illegible]

Figure 7-16

NON SPECIFIC ADHOC REPORT
OUTPUT CONTENTS SPECIFICATION
(GRADE/MOS RECAP)
T/MR AGGREGATE FILE

CODING INSTRUCTIONS FOR FIGURE 7-17

<u>Form Code</u>	<u>Seq. No.</u>	<u>Field</u>	<u>Card Columns</u>	<u>Remarks</u>
R1	(All cards)	Request Name	1-8	Enter Request Name - User Org. Code cc 1-5, e.g. AO1M2. - Report Type cc 6, N = Non Specific - Sequence No. cc 7-8 (sequence of request within organization)
R1	020	T, DESIGDEF		This field requires that a table lookup against Table DESIGDEF be performed in one of the PR statements associated with this request.

COMMENT

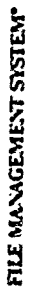
The example specified will produce a Grade/MOS Summary by T/MR,
Designator Text, MOS.

OUTPUT CONTENT SPECIFICATION

(GRADE/MOS RECAP)

T/MR AGGREGATE FILE

REQUEST NAME	FORM CODE	SEQUENCE NO.							FIELD NAME	END LINE?							SORT		BREAK	SUMMARIES					QUALIFIER	% / RATIO FIELD		RATIO	OUTPUT EDIT	PARTIAL FIELD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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NON SPECIFIC AD HOC REPORT
OUTPUT CONTENT SPECIFICATION
(GRADE/MOS RECAP)
T/MR AGGREGATE FILE

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PAGE 2 OF 2

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Page 7-51

[illegible]

Figure 7-17 Cont'd

NON SPECIFIC ADHOC REPORT
TITLE

CODING INSTRUCTIONS FOR FIGURE 7-18

<u>Form Code</u>	<u>Seq No.</u>	<u>Field</u>	<u>Card Columns</u>	<u>Remarks</u>
T1	(All cards)	Request Name	1-8	Enter Request Name - User Org. Code, cc 1-5. e.g. AOIM2 - Type Report, cc 6. "N"=Non Specific Ad hoc - Seq. No. of request within the organization and Type report. cc 7-8.
T1	001	Request Name	15-22	Prints at the Top of each Report Page. Enter Request Name.
T1	002	Line 1 Title Text	14-72	Terminate end of line with a "&" symbol.
T1	003	Line 2 Title Text	14-72	Terminate end of line with a "&" symbol.
T1	004	Line 3 Title Text	14-72	Terminate end of line with a "&" symbol.



FILE MANAGEMENT SYSTEM

NON SPECIFIC AD HOC REPORT

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FORM CODE ENTRIES
Ph - TITLE, FIRST PAGE ONLY
Tn - TITLE, ALL REPORT PAGES
Fn - FREE FORM OUTPUT SPECIFICATIONS
AA - COMMENTS

PAGE ____ OF ____

DECK I.D.

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REQUEST NAME	SEQ. NO.	TEXT	8-1/2"	11"
	8 9 10 11 12 13 14		35	65
	T.1.001		40	72
	T.1.002		45	79
	T.1.003		50	86
	T.1.004		55	93
			60	100
			65	107
			70	114
			75	121
			80	128
			85	135
			90	142
			95	149
			100	156
			105	163
			110	170
			115	177
			120	184
			125	191
			130	198
			135	205
			140	212
			145	219
			150	226
			155	233
			160	240
			165	247
			170	254
			175	261
			180	268
			185	275
			190	282
			195	289
			200	296
			205	303
			210	310
			215	317
			220	324
			225	331
			230	338
			235	345
			240	352
			245	359
			250	366
			255	373
			260	380
			265	387
			270	394
			275	401
			280	408
			285	415
			290	422
			295	429
			300	436
			305	443
			310	450
			315	457
			320	464
			325	471
			330	478
			335	485
			340	492
			345	499
			350	506
			355	513
			360	520
			365	527
			370	534
			375	541
			380	548
			385	555
			390	562
			395	569
			400	576
			405	583
			410	590
			415	597
			420	604
			425	611
			430	618
			435	625
			440	632
			445	639
			450	646
			455	653
			460	660
			465	667
			470	674
			475	681
			480	688
			485	695
			490	702
			495	709
			500	716
			505	723
			510	730
			515	737
			520	744
			525	751
			530	758
			535	765
			540	772
			545	779
			550	786
			555	793
			560	800
			565	807
			570	814
			575	821
			580	828
			585	835
			590	842
			595	849
			600	856
			605	863
			610	870
			615	877
			620	884
			625	891
			630	898
			635	905
			640	912
			645	919
			650	926
			655	933
			660	940
			665	947
			670	954
			675	961
			680	968
			685	975
			690	982
			695	989
			700	996
			705	1003
			710	1010
			715	1017
			720	1024
			725	1031
			730	1038
			735	1045
			740	1052
			745	1059
			750	1066
			755	1073
			760	1080
			765	1087
			770	1094
			775	1101
			780	1108
			785	1115
			790	1122
			795	1129
			800	1136
			805	1143
			810	1150
			815	1157
			820	1164
			825	1171
			830	1178
			835	1185
			840	1192
			845	1199
			850	1206
			855	1213
			860	1220
			865	1227
			870	1234
			875	1241
			880	1248
			885	1255
			890	1262
			895	1269
			900	1276
			905	1283
			910	1290
			915	1297
			920	1304
			925	1311
			930	1318
			935	1325
			940	1332
			945	1339
			950	1346
			955	1353
			960	1360
			965	1367
			970	1374
			975	1381
			980	1388
			985	1395
			990	1402
			995	1409
			1000	1416
			1005	1423
			1010	1430
			1015	1437
			1020	1444
			1025	1451
			1030	1458
			1035	1465
			1040	1472
			1045	1479
			1050	1486
			1055	1493
			1060	1500
			1065	1507
			1070	1514
			1075	1521
			1080	1528
			1085	1535
			1090	1542
			1095	1549
			1100	1556
			1105	1563
			1110	1570
			1115	1577
			1120	1584
			1125	1591
			1130	1598
			1135	1605
			1140	1612
			1145	1619
			1150	1626
			1155	1633
			1160	1640
			1165	1647
			1170	1654
			1175	1661
			1180	1668
			1185	1675
			1190	1682
			1195	1689
			1200	1696
			1205	1703
			1210	1710
			1215	1717
			1220	1724
			1225	1731
			1230	1738
			1235	1745
			1240	1752
			1245	1759
			1250	1766
			1255	1773
			1260	1780
			1265	1787
			1270	1794
			1275	1801
			1280	1808
			1285	1815
			1290	1822
			1295	1829
			1300	1836
			1305	1843
			1310	1850
			1315	1857
			1320	1864
			1325	1871
			1330	1878
			1335	1885
			1340	1892
			1345	1899
			1350	1906
			1355	1913
			1360	1920
			1365	1927
			1370	1934
			1375	1941
			1380	1948
			1385	1955
			1390	1962
			1395	1969
			1400	1976
			1405	1983
			1410	1990
			1415	1997
			1420	2004
			1425	2011
			1430	2018
			1435	2025
			1440	2032
			1445	2039
			1450	2046
			1455	2053
			1460	2060
			1465	2067
			1470	2074
			1475	2081
			1480	2088
			1485	2095
			1490	2102
			1495	2109
			1500	2116
			1505	2123
			1510	2130
			1515	2137
			1520	2144
			1525	2151
			1530	2158
			1535	2165
			1540	2172
			1545	2179
			1550	2186
			1555	2193
			1560	2200
			1565	2207
			1570	2214
			1575	2221
			1580	2228
			1585	2235
			1590	2242
			1595	2249
			1600	2256
			1605	2263
			1610	2270
			1615	2277
			1620	2284
			1625	2291
			1630	2298
			1635	2305
			1640	2312
			1645	2319
			1650	2326
			1655	2333
			1660	2340
			1665	2347
			1670	2354
			1675	2361
			1680	2368
			1685	2375
			1690	2382
			1695	2389
			1700	2396
			1705	2403
			1710	2410
			1715	2417
			1720	2424
			1725	2431
			1730	2438
			1735	2445
			1740	2452
			1745	2459
			1750	2466
			1755	2473
			1760	2480
			1765	2487
			1770	2494
			1775	2501
			1780	2508
			1785	2515
			1790	2522
			1795	2529
			1800	2536
			1805	2543
			1810	2550
			1815	2557
			1820	2564
			1825	2571
			1830	2578
			1835	2585

SECTION 8

INTERFACES

8.1 INTRODUCTION

This section is devoted to the interface of the T/MR system with the Headquarters Marine Corps T/MR Related Processes and the interface with the G-1, A01M, Manpower Management Models.

8.2 T/MR INTERFACE WITH THE HEADQUARTERS MARINE CORPS T/MR RELATED PROCESSES

Interface with the Headquarters Marine Corps T/MR Related Processes is effected through production of two "look alike" files. These are:

- o Billet Line String
PP14YPD
- o Work File B
TA22YRJ

These files are produced automatically as a part of the update processes, transparent to the user, and are integral to the PEN Authorized/Assigned Report Process, and Authorizes Strength file process respectively.

8.3 MODEL INTERFACES

8.3.1 Introduction

The purpose of this section is to describe the USMC user procedures in reference to the T/MR interface with the following models:

- o STRAFE - Simulation for Total Requirements Authorization Forecast and Evaluation
- o MPM - Manpower Planning Model
- o SAS - Strength Adjustment Simulator
- o RIP - Requirements Information Process

8.3.2 General

The T/MR system's requirements to interface with the various models is essentially comprised of matrix reports with magnetic output. This magnetic output is used as direct input to the model programs to generate Marine Corps structure for "planning purposes." The following files must be provided by the USMC model users to develop the specific model matrices and magnetic outputs:

- o Troop File - Figure 8-1
- o MCC File - Figure 8-2
- o Matrix Desired File - Figure 8-3

8.3.3 Troop File

The Troop file is maintained by the STRAFE, MPM, and SAS model users. The file is retained in punched card format so that flexibility in "gaming" a desired Marine Corps Structure is possible.

The Troop file is used as a "finder file" against the T/MR data base. The Troop file specifies which T/MRs are desired for inclusion in the model matrix output. The model users must specify the following parameters:

- o T/MR Number
- o Multiple

TROOP FILE

<u>COLUMNS</u>	<u>DESCRIPTION</u>	<u>REMARKS</u>
1-10		NOT APPLICABLE
11-15	T/MR NO.	
16-23		NOT APPLICABLE
24-25	MULTIPLE	
26-28		NOT APPLICABLE
29	LOCATION	
30-32		NOT APPLICABLE
33-35	OFFICER %	
36-37		NOT APPLICABLE
38-40	ENLISTED %	
41-80		NOT APPLICABLE

Figure 8-1

- o Location Indicator (Conus - Overseas)
- o Officers Manning Level (T/MR M/F)
- o Enlisted Manning Level (T/MR M/F)

With the above elements, the model user might wish to "game" T/MR Number 1013 as follows:

	<u>T/MR</u>	<u>Multiple</u>	<u>Location</u>	<u>Officer M/F</u>	<u>Enlisted M/F</u>
#1	1013	3	C	100	100
#2	1013	2	O	090	097

In Example #1, the model user expects to extract the data at the 100% manning level for both Officers and Enlisted and multiply it three times and assign a Conus indicator for its location.

In Example #2, the Officer data at 90% and the Enlisted data at 97% manning level is multiplied by two and assigned an Overseas location.

The system will allow for a maximum of ten(10) "games" per T/MR for the model user to build his structured data for "planning purposes".

8.3.4 MCC File

The MCC file is maintained exclusively by the SAS model user. This file is maintained in punch card format for user flexibility. The MCC file is used basically in the same manner as the Troop File, where the parameters maintained are:

- o MCC

MCC FILE

<u>COLUMNS</u>	<u>DESCRIPTION</u>	<u>REMARKS</u>
1-10		NOT APPLICABLE
11-13	MCC	
14-23		NOT APPLICABLE
24-25	MULTIPLE	
26-32		NOT APPLICABLE
33-35	OFFICER %	
36-37		NOT APPLICABLE
38-40	ENLISTED %	
41-80		NOT APPLICABLE

Figure 8-2

- o Multiple
- o Officer Manning Level (T/MR M/F)
- o Enlisted Manning Level (T/MR M/F)

The MCC file is used as a "finder file" against the T/MR data base. The major difference between the Troop file and the MCC file is that the MCC file may deal with specific line numbers within T/MRs and the Troop file applies against an entire T/MR.

The SAS model user employs the same "gaming" techniques as the Troop file users. Since there is no Location field (Conus or Overseas), only one unique MCC code is given. Duplicate MCCs are not allowed.

8.3.5 Matrix Desired File

The Matrix Desired file is maintained by the STRAFE, and MPM model users. The purpose of this file is to provide the model user with the capability to generate up to twenty-seven (27) different matrix reports from one pass of the T/MR data base.

Figure 8-4 reflects three general groups from which a combination of one selection from each group produces a desired matrix key. The model user can specify as many valid matrix keys as he wishes for a given run. If, however, the model user desires every matrix possible, the word "ALL" placed in the first matrix key field will be specified.

For practical usage of this file, the matrix desired record can hold up to nineteen (19) matrix keys. Therefore, only two records are necessary to contain the twenty-seven (27) possible combinations.

MATRIX DESIRED FILEFormat: Punched cardRecord Layout:

COLUMNS	DESCRIPTION	REMARKS
1	Record Code	Value = M
2-4	Not Used	Blank
*{ 5	Not Used	Blank
6-8	Matrix Key No. 1	
9	Not Used	Blank
10-12	Matrix Key No. 2	
.	.	
.	.	
.	.	
77	Not Used	Blank
78-80	Matrix Key No. 19	

*Occurs 19 times

Figure 8-3

DESIRED MATRIX COMBINATIONGroup No. 1 - Service Mode

1. Marine Officers
2. Naval Aviators/Flight Officers
3. Enlisted

Group No. 2 - Location

4. Conus
5. Overseas
6. Conus/Overseas

Group No. 3 - Component

7. FMF
8. Non-FMF
9. FMF/Non-FMF

SAMPLE USAGE

If the model user wishes to obtain matrix data for:
Marine Officers, Overseas, FMF, the matrix key
would be 157.

Figure 8-4

These records do not require that each matrix key field be consecutive in that blank key fields will be ignored. For additional flexibility, the model user may place each matrix key on a separate record.

8.3.6 Model User Interface Requirement

8.3.6.1 STRAFE, MPM, SAS Phase II. The STRAFE, MPM, and SAS (Phase II) users must define a Troop file. Once the Troop file is developed, the T/MR system will accept the punched card input, edit the data elements, reject records in error, sort the accepted records in T/MR sequence, and provide a report indicating the actions taken.

The following edits will be applied against the Troop file data and any error detected will automatically reject that record. The record therefore will not be included in the matrix process.

- o T/MR Number - The first four positions must be numeric (0-9), the fifth position must be blank or alphabetic.
- o Multiple - May not be blank, or zero, or alphabetic. Must be a value of (01-99).
- o Location - Must be C - Consus, or O - Overseas.
- o* Officer/Enlisted Manning Level - Must be a M/L recognized by the T/MR system. Valid M/Ls are: 100, 097, 095, 093, 090, 087, 085, 083, 080, 078, 075, 070. If the leading zero is omitted, such as 97, the field must be right-justified.

* The model user also has the option of not specifying a manning level for either Officers or Enlisted. In this case, blanks or "000" would be accepted by the system.

Example:

<u>T/MR</u>	<u>Multiple</u>	<u>Location</u>	<u>Officer M/L</u>	<u>Enlisted M/L</u>
1013M	3	C	000 or blank	090

The submission of a Troop file will produce output for all three models simultaneously. This feature will facilitate comparison of the results produced from a common base. This implies, however, that the T/MR system will not allow independent runs (two or more Troop lists) for a particular model, or models, during a single job submission.

8.3.6.2 SAS (Phase I). The SAS model user defines the MCC file. Once the MCC file is developed, the T/MR system will accept the punched card input, edit the data elements, reject records in error, and provide a report indicating the MCC file status.

The following edits will be applied against the MCC file data and any error detected will reject that record. The record, therefore, will not be included in the SAS (Phase I) output processing.

- o MCC - This data element is verified against the Headquarters Table File maintained by the Marine Corps. If no match occurs, the record will still be accepted but a warning message is printed.
- o Multiple - May not be blank, or zero, or alphabetic. Must be a value of (01-99).
- o* Officer/Enlisted Manning Level - Must be a M/L recognized by the T/MR system. Valid M/Ls are: 100, 097, 095, 093, 090, 087, 085, 083, 080, 078, 075, 070. If the leading zero is omitted, such as 97, the field must be right-justified.

* The model user also has the option of not specifying a manning level for either Officers or Enlisted. In this case, blanks or "000" would be accepted by the system.

Example:

<u>MCC</u>	<u>Multiple</u>	<u>Officer M/L</u>	<u>Enlisted M/L</u>
100	2	000 or blank	090

The T/MR data base is updated monthly. Therefore, the SAS model user can "game" the MCC File as desired and process report runs whenever desired.

8.3.6.3 RIP. No special action is required by the TIP model user. The interface requirements are automatically produced on a monthly basis in the form of a magnetic and hard copy output report.

8.3.7 Summary of Output

a Matrix Products

STRAFE

MPM

LAC

RIP

b Magnetic Output

STRAFE

MPM

LAC

RIP

Samples of the output for the T/MR model and the T/MR interface are contained in the T/MR Technical Manual.

TABLE OF MANPOWER REQUIREMENTS

DIAGNOSTIC MESSAGES

<u>Code</u>	<u>Diagnostic Message</u>
001	T/MR Number not numeric
002	T/MR Suffix not alpha or space
003	Organization Type invalid
004	T/MR Line Number not numeric
005	T/MR Line Number Suffix not alpha or space
006	Unit Line Number not numeric
007	Manning Multiples not numeric
008	Manning Factors not numeric
009	PAP Code invalid
010	Branch Code invalid
011	Type Code invalid
012	Type Code not compatible with Branch Code
013	Pay Grade Code invalid, not on table
014	Pay Grade Code not compatible with Type Code
015	Pay Grade and Alpha Grade Codes not compatible
016	Pay Grade Code not compatible with Branch Code
017	Billet Status Code invalid
018	Billet Status and Branch Codes not compatible
019	MOS invalid, not on table
020	MOS-1 invalid, not on table
022	Type not compatible with O/E Code within MOS Table
023	MOS-1 and Pay Grade Codes not compatible
024	MOS-2 and Pay Grade Codes not compatible
025	MOS and Branch Codes not compatible
026	MOS-1 and Pay Grade Codes not compatible
027	MOS-2 and Branch Codes not compatible
028	MOS-2 Qualifier invalid
029	MOS-3 Qualifier invalid
030	Weapon Code invalid
033	Weapon Code not compatible with Branch Code
032	Weapon Code not compatible with Type Code
033	Weapon Code not compatible with Pay Grade Code
034	Rank/Weapon/MOS Flag invalid
035	Education-1 Qualifier Code invalid
036	Education-1 Code invalid
037	Education-2 Qualifier Code invalid
038	Special Education Program Flag invalid
039	Security Clearance Code invalid

TABLE OF MANPOWER REQUIREMENTS

DIAGNOSTIC MESSAGES (Cont.)

<u>Code</u>	<u>Diagnostic Message</u>
040	Service School-1 Qualifier Code invalid
041	Service School-1 Code invalid
042	Service School-2 Qualifier Code invalid
043	Service School-2 Code invalid
044	Foreign Language-1 Qualifier Code invalid
045	Foreign Language-1 Code invalid
046	Standard Footnote Code invalid
047	Effective Date not numeric
048	Add/Delete Flag invalid
049	T/MRCA Number not numeric or space
050	T/MR Multiple not numeric
051	Aggregate T/MR Number not numeric
052	Aggregate T/MR Number Suffix not alpha or space
053	Activity Address Code not numeric
054	Number of copies field not numeric
055	T/E Number not numeric
056	T/E Number Prefix not alpha or space
057	WARNING - MCC not on Headquarters Table File
058	WARNING - MCC deactivated
059	WARNING - RUC not on Headquarters Table File
060	PEN Code invalid
061	RCN Field invalid
062	UIC invalid, 1st digit not character = M
063	UIC invalid, positions 2-6 not numeric
064	MPM Code invalid
065	G/L Code invalid, not on HQ Table File
066	Operator Code invalid
067	Record Code invalid
068	WARNING - T/MR Organ, Desc, not left-justified
069	WARNING - Data in positions 25-69 not picked up
070	Blank
071	WARNING - Data in positions 11-12 not picked up
072	The value of Line-To must not be less than Line From
073	Blank
074	WARNING - Data in positions 54-80 not picked up
075	WARNING - Data in positions 12-19 not picked up
076	MOS Table contains an invalid O/E Code for MOS
077	Grade not compatible with Hi/Low Range of MOS Table
078	Blank

TABLE OF MANPOWER REQUIREMENTS

DIAGNOSTIC MESSAGES (Cont.)

<u>Code</u>	<u>Diagnostic Message</u>
079	Footnote Sequence Number not numeric
080	WARNING - Unit Description not left-justified
081	Lines-From Field not numeric
082	Lines-From Suffix not alphabetic or space
083	Lines-To Field not numeric
084	Lines-To Suffix not alphabetic or space
085	WARNING - Data in positions 33-80 not picked up
086	Effective Data and Add-Delete Field invalid
087	One or more recap data fields invalid
088	One or more Factor/Multiple Fields not numeric
089	WARNING - Data in positions 53-80 not picked up
090	One or more Qualitative fields not numeric
091	WARNING - Data in positions 67-80 not picked up
092	WARNING - Data in positions 25-45 not picked up
093	Education-2 Code invalid
094	Foreign Language-2 Qualifier Code invalid
095	Foreign Language-2 Code invalid
100	Record to be updated does not exist
101	Record to be added already exists
102	T/MR deleted - no other action allowed
103	Advisory - delete action completed
104	Blank
105	Blank
106	Blank
107	Blank
108	Blank
109	Blank
110	Ungraded Civilian - Invalid Alpha Grade category
111	Ungraded Civilian - Invalid MOS
112	Marine Billet - PAP Code is blank
113	Single U Qualifier invalid for additional MOS
114	WARNING - Blanking Operation, object field blank
115	Footnote Code = A - Billet Status must be X
116	Invalid change for Record Code C
117	Single U Qualifier invalid for Language Code
118	Single U Qualifier invalid for Education Code
119	Single U Qualifier invalid for Serv/Sch Code
120	Billet Qualifier and Qualifier Code incomplete
121	Add/Delete Flag and Effective Date must both be complete
122	T/MR Multiple and T/MR No must be completed

APPENDIX B
TO THE TABLE OF MANPOWER REQUIREMENTS (T/MR)
SYSTEM NON-TECHNICAL USERS MANUAL

This appendix contains the Program Procedures (PROCs) related to running the computer programs associated with the T/MR system. The T/MR Procs interface with the instruction's and procedures set forth in the T/MR Input/Output (I/O) manual.

IEBUPDTE LOG PAGE 0001

NEW MASTER

SYSDN

.. ADD NAME=C9921801,LIST=ALL
.. NUMBER NEW1=10,INCR=10

```

//C9921801      PROC
//STEP1        EXEC PGM=IEBGENER
//SYSPRINT     DD SYSOUT=
//SYSDN        DD DSN=ACHOS,UNIT=2314,SPACE=TRK,(10,5),RLSE,
//SYSDN        DISP=(NEW,PASS),DCB=(BLKSIZE=3200,LRECL=80,RECFM=FB)
//SYSDN        DD DUMMY
//STEP2        EXEC PGM=IEBRCCOD,REGION=100K
//SYSDN        DD SYSOUT=
//SYSDN        DD DSN=SYS1.SORTLIB,DISP=SHR
//SYSDN        DD DSN=ACHOS,DISP=(OLD,DELETE),
//SYSDN        UNIT=2314,DCB=(RECFM=FB,LRECL=80,BLKSIZE=3200)
//SYSDN        DD DSN=ASORTCHK,UNIT=2314,DISP=(PASS),
//SYSDN        DCB=(LRECL=80,BLKSIZE=800,RECFM=FB),SPACE=(TRK,(10,5),RLSE)
//SYSDN        DD UNIT=SYSDA,SPACE=(TRK,(30),CONTIG)
//SYSDN        DD UNIT=SYSDA,SPACE=(TRK,(30),CONTIG)
//SYSDN        DD UNIT=SYSDA,SPACE=(TRK,(30),CONTIG)
//STEP3        EXEC PGM=IEBPTCH
//SYSPRINT     DD SYSOUT=
//SYSDN        DD DSN=ASORTCHK,DISP=(OLD,PASS)
//SYSDN        DD SYSOUT=
//STEP4        EXEC PGM=C9921817
//SYSDN        DD DSN=HMG1.AP12.TSTLIB2,DISP=SHR
//SYSDN        DD SYSOUT=
//SYSDN        DD DSN=ASORTCHK,DISP=(OLD,DELETE),
//SYSDN        UNIT=2314,SPACE=(TRK,(10,10),RLSE),
//SYSDN        DISP=(OLD,KEEP),DCB=(BLKSIZE=3200,LRECL=80,RECFM=FB)
//SYSDN        DD DSN=HMG1.AP12.C9921.PM110401(+),
//SYSDN        UNIT=2314,DISP=(CATLG,DELETE),
//SYSDN        SPACE=(TRK,(20,10),RLSE),
//SYSDN        DCB=(BLKSIZE=3200,LRECL=80,RECFM=FB)
//SYSDN        DD DSN=ATLSERR,DISP=(PASS),UNIT=2314,
//SYSDN        DCB=(LRECL=40,BLKSIZE=400,RECFM=FB),SPACE=(TRK,(5,5),RLSE)
//STEP5        EXEC PGM=IEBPTCH
//SYSPRINT     DD SYSOUT=
//SYSDN        DD DSN=HMG1.AP12.C9921.PM110401(+),DISP=OLD
//SYSDN        DD SYSOUT=
//STEP6        EXEC PGM=IEBPTCH
//SYSPRINT     DD SYSOUT=
//SYSDN        DD DSN=ATLSERR,DISP=(OLD,DELETE)
//SYSDN        DD SYSOUT=

```

.. ENDUP
IEB8171 MEMBER NAME (C9921801) NOT FOUND IN NM DIRECTORY. STONED WITH TTR.
IEB8181 HIGHEST CONDITION CODE WAS 00000000
IEB8191 END OF JOB IEBUPDTE.

IEBUPDTE LOG PAGE 0001

NEW MASTER

SYSIN

```

// ADDR NAME=C5921802,LIST=ALL
// NUMBER NEW=1C,INCR=10

```

```

//C5921902 PROC
//STEPONE EXEC PGM=IEFBR14
//DD1 DD DSN=HOMC1.AP12.C5921,THRNEW1,DISP=(OLD,DELETE)
//CDTP EXEC PGM=IEGENER
//SYSPRINT DD SYSOUT=A
//SYSUT2 DD DSN=ACHGS,UNIT=2314,
// SPACE=(TRK,(10,10),RLSE),
// DISP=(NEW,PASS),DCB=(BLKSIZE=4000,LRECL=80,RECFM=FB)
//
//SYSIN DD DUMMY
//STEP1 EXEC PGM=IERRC000,REGION=86K
//SYSOUT DD SYSOUT=A
//SORTL18 DD DSN=SYS1.SORTL18,DISP=SHR
//SORTIN DD DSN=ACHGS,UNIT=2314,
// SPACE=(TRK,(10,10),RLSE),DISP=(OLD,DELETE),
// DCB=(BLKSIZE=4000,LRECL=80,RECFM=FB)
//SORTOUT DD DSN=HOMC1.AP12.C5921,THRCH1,UNIT=2314,
// DCB=(BLKSIZE=3000,LRECL=100,RECFM=FB),
// DISP=(NEW,PASS),
// SPACE=(TRK,(10,10),RLSE)
//SORTWK01 DD UNIT=SYSDA,SPACE=(TRK,(30)),CONTIG)
//SORTWK02 DD UNIT=SYSDA,SPACE=(TRK,(30)),CONTIG)
//SORTWK03 DD UNIT=SYSDA,SPACE=(TRK,(30)),CONTIG)
//STEP2 EXEC PGM=C5320813
//STEP19 DD DSN=HOMC1.AP12.TSTL192,DISP=SHR
//SYS001 DD DSN=HOMC1.AP12.C5921,THRCH1,DISP=(OLD,DELETE)
//SYS002 DD DSN=ACHGS3,UNIT=TAPE9,
// DCB=(LRECL=130,BLKSIZE=3000,RECFM=FB),
// DISP=(,PASS)
//SYS003 DD DSN=DF00TNOTE,UNIT=TAPE9,
// DISP=(,DELETE),
// DCB=(LRECL=120,BLKSIZE=3000,RECFM=FB)
//SYSOUT DD SYSOUT=A
//C5320902 EXEC PGM=IERRC000,REGION=86K
//SYSOUT DD SYSOUT=A
//SORTL18 DD DSN=SYS1.SORTL18,DISP=SHR
//SORTIN DD DSN=ACHGS3,DISP=(OLD,DELETE),
// DCB=(LRECL=100,BLKSIZE=3000,RECFM=FB)
//SORTOUT DD DSN=HOMC1.AP12.C5921,THRNEW1,UNIT=TAPE9,
// DISP=(NEW,CATLG,DELETE),
// DCB=(LRECL=100,BLKSIZE=3000,RECFM=FB)
//SORTWK01 DD UNIT=SYSDA,SPACE=(TRK,(30)),CONTIG)
//SORTWK02 DD UNIT=SYSDA,SPACE=(TRK,(30)),CONTIG)
//SORTWK03 DD UNIT=SYSDA,SPACE=(TRK,(30)),CONTIG)
//C5320903 EXEC PGM=MARKIV,REGION=100K
//STEP19 DD DSN=SYS1.MARKIV,DISP=SHR
//M4L18 DD DSN=HOMC1.AP12.C5320,WK4L181,DISP=SHR
//M4LIST DD SYSOUT=A
//M4REP0 DD DSN=HOMC1.AP12.C5320,7B12.REPO,UNIT=TAPE9,
// DISP=(NEW,PASS,DELETE)
//M4SORT DD DUMMY

```

SYSIN

NEW MASTER

IEBUPDTE LOG PAGE 0002

```

//MOLD DD DUMMY 00000510
//MANEW DD DSN=HONC1.AP12.C5921.TB410501(+1),UNIT=TAPE9, 00000520
// DISP=(NEW,CATLG,DELETE) 00000530
//44TRAN DD DSN=HONC1.AP12.C5921.TMRNEW1,UNIT=TAPE9, 00000540
// DISP=(OLD,KEEP) 00000550
//HMSUBF1 DD DSN=HONC1.AP12.C5921.TB410502(+1),UNIT=TAPE9, 00000560
// DISP=(NEW,CATLG,DELETE) 00000570
//HMSUBF2 DD DSN=HONC1.AP12.C5921.TB410503(+1),UNIT=TAPE9, 00000580
// DISP=(NEW,DELETE) 00000590

```

```

// ENDUP
IEB0171 MEMBER NAME (C5921B02) NOT FOUND IN NM DIRECTORY, STOWED WITH TTR.
IEB0161 HIGHEST CONDITION CODE WAS 00000000
IEB0191 END OF JOB IEBUPDTE.

```

```

SYSIN          NEW MASTER          IEBUGDTE LOG PAGE 0001

// ADD NAME=C5921B8A,LIST=ALK
// NUMBER NEW1=10,INCR=10

//C5921B8A PROC
//DEFINE EXEC PGM=MARKIV,REGION=80K DICTONARY MAINTENANCE
//M4L18 DD DSN=HQMCI.AP12.C5320.HK4L181,DISP=OLD
//M4L18 DD SYSOUT=A
//C5921B8A EXEC PGM=MARKIV,REGION=86K
//STEPL18 DD DSN=SYS1.MARKIV,DISP=SMR
//M4L18 DD DSN=HQMCI.AP12.C5320.HK4L181,DISP=OLD
//M4L18 DD SYSOUT=A
//M4REPO DD DSN=HQMCI.AP12.C5320.T812.REPO,UNIT=2314,
// DISP=(NEW,PASS,DELETE),SPACE=(TRK,(5,5),RLSE),
// VOLUME=(,RETAIN)
//M4SORT DD DUMMY
//M4OLD DD DSN=HQMCI.AP12.C5921.P8116001(0),
// UNIT=TAPE9,DISP=OLD
//M4NEW DD DSN=HQMCI.AP12.C5921.P8116001(+1),
// DISP=(NEW,CATLG,DELETE),UNIT=TAPE9
//M4SUBF6 DD DSN=HQMCI.AP12.C5921.T8310602(+1),
// DISP=(,CATLG,DELETE),UNIT=TAPE9
// ENDUP

IEB0171 MEMBER NAME (C5921B8A) NOT FOUND IN NM DIRECTORY. STOKED WITH TTR.
IEB0181 HIGHEST CONDITION CODE WAS 00000000
IEB0191 END OF JOB IEBUGDTE.

```

```

00000010
00000020
00000030
00000040
00000050
00000060
00000070
00000080
00000090
00000100
00000110
00000120
00000130
00000140
00000150
00000160
00000170
00000180

```

SYSIN

NEW MASTER

IEBUPDTE LOG PAGE 0001

```
// ADD NAME=C592188D,LIST=ALL  
// NUMBER NEW=10,INCR=10
```

```
//C592188D PRQC PGM=MARKIV,REGION=80K DICTIONARY MAINTENANCE  
//DEFINE EXEC DSN=SYS1.MARKIV.DISP=SWR  
//STEPL1 DD DSN=40MCI.AP12.C5320.MK4LIB1.DISP=OLD  
//M4LIB DD DSN=40MCI.AP12.C5320.MK4LIB1.DISP=OLD  
//M4LIST DD SYSOUT=A  
//C592188D EXEC PGM=MARKIV,REGION=80K  
//STEPL1 DD DSN=SYS1.MARKIV.DISP=SWR  
//M4LIB DD DSN=40MCI.AP12.C5320.MK4LIB1.DISP=OLD  
//M4LIST DD SYSOUT=A  
//M4REPO DD DSN=40MCI.AP12.C5320.TB12.REPO.UNIT=2314,  
DISP=(NEW,PASS,DELETE),SPACE=(TRK,(10,10),RLSE),  
VOLUME=(RETAIN)  
//M4SORT DD DSN=40MCI.AP12.C5320.TB12.REPO.UNIT=2314,SPACE=(TRK,1),  
DISP=(PASS)  
//M4OLD DD DSN=40MCI.AP12.C5921.2314001(1).DISP=OLD  
//M4NEW DD DSN=40MCI.AP12.C5921.2314001.DISP=(PASS),  
UNIT=TAPE  
//M4SUBF7 DD DSN=40MCI.AP12.C5320.TB12.REPO.DISP=(OLD,DELETE),  
DCB=(RECFM=F,RECL=200,BLKSIZE=3600)  
//MSORT EXEC PGM=IERHC000,REGION=80K  
//SORT1 DD DSN=SYS1.SORTLIB.DISP=SWR  
//SORTIN DD DSN=40MCI.AP12.C5320.TB12.REPO.DISP=(OLD,DELETE),  
DCB=(RECFM=F,RECL=2314,BLKSIZE=3600)  
//SORTOUT DD DSN=40MCI.AP12.C5320.TB12.REPO.DISP=(OLD,DELETE),  
DCB=(RECFM=F,RECL=2314,BLKSIZE=3600)  
//DISPATCH DD DSN=40MCI.AP12.C5320.TB12.REPO.DISP=(OLD,DELETE),  
DCB=(RECFM=F,RECL=2314,BLKSIZE=3600)  
//SYBIN DD DSN=40MCI.AP12.C5320.MK4LIB1.DISP=SWR  
//SORTWK01 DD UNIT=SYSDA,SPACE=(TRK,(30),CONTIG)  
//SORTWK02 DD UNIT=SYSDA,SPACE=(TRK,(30),CONTIG)  
//SORTWK03 DD UNIT=SYSDA,SPACE=(TRK,(30),CONTIG)  
//SYROUT DD SYSOUT=A  
//RLIST EXEC PGM=MARKIV,REGION=80K  
//STEPL1 DD DSN=SYS1.MARKIV.DISP=SWR  
//M4LIB DD DSN=40MCI.AP12.C5320.MK4LIB1.DISP=SWR  
//M4LIST DD SYSOUT=A  
//M4REPI DD DSN=40MCI.AP12.C5320.MK4LIB1.DISP=SWR  
//M4INPUT DD DSN=40MCI.AP12.C5320.MK4LIB1.DISP=SWR  
//C592188D EXEC PGM=IERHC000,REGION=80K  
//SYROUT DD SYSOUT=A  
//SORT1 DD DSN=SYS1.SORTLIB.DISP=SWR  
//SORTIN DD DSN=40MCI.AP12.C5320.MK4LIB1.DISP=SWR  
DCB=(RECFM=F,RECL=200,BLKSIZE=3600,RECFM=F)  
//SORTWK01 DD UNIT=SYSDA,SPACE=(TRK,(30),CONTIG)  
//SORTWK02 DD UNIT=SYSDA,SPACE=(TRK,(30),CONTIG)  
//SORTWK03 DD UNIT=SYSDA,SPACE=(TRK,(30),CONTIG)  
//SORTOUT DD DSN=40MCI.AP12.C5320.TB12.REPO.DISP=(OLD,DELETE),  
DCB=(RECFM=F,RECL=2314,BLKSIZE=3600,RECFM=F)  
//C592188D EXEC PGM=IERHC000,REGION=80K
```

SYSIM

NEW MASTER

IEBUPDTE LOG PAGE 0002

```

//STEPLIB DD DSN=HQMCI.AP8.TESTLOAD.DISP=SMR
//SORTLIB DD DSN=SYS1.SORTLIB.DISP=SMR
//SORTIND1 DD DSN=HQMCI.AP12.C5921.TB310403(*1),
//      DISP=(OLD,KEEP),UNIT=TAPE9,
//      DCB=(LRECL=200,BLKSIZE=3600,RECFM=FB)
//SORT1.02 DD DSN=HQMCI.AP12.C5921.TB310601,
//      DISP=(OLD,DELETE),UNIT=TAPE9,
//      DCB=(LRECL=200,BLKSIZE=3600,RECFM=FB)
//SORTOUT DD DSN=HQMCI.AP12.C5921.PB16001(*1),
//      DISP=(NEW,CATLG,DELETE),UNIT=TAPE9,
//      DCB=(LRECL=200,BLKSIZE=3600,RECFM=FB)
//SYSOUT DD SYSOUT=A
//SVSDUMP DD SYSOUT=A

```

```

00000510
00000520
00000530
00000540
00000550
00000560
00000570
00000580
00000590
00000600
00000610
00000620
00000630

```

./ ENDUP

```

IEB017: MEMBER NAME (C5921B08) NOT FOUND IN NM DIRECTORY. STONED WITH YTR.
IEB018: HIGHEST CONDITION CODE WAS 00000000
IEB019: END OF JOB IEBUPDTE.

```


SYSIN

NEW MASTER

IEBUPDTE LOG PAGE 0001

```
./ ADD NAME=C592186G,LIST=ALL  
./ NUMBER WEN1=10,INCR=10
```

```
./C592186G PROC  
//DEFINE EXEC PGM=MARKIV,REGION=80K DICTONARY MAINTENANCE  
//STEPLIB DD DSN=SYS1.MARKIV.DISP=SHR  
//M4LIB DD DSN=HOMC1.AP12.C5320.MK4LIB1.DISP=OLD  
//M4LIST DD SYSOUT=A  
//C592186G EXEC PGM=MARKIV,REGION=80K  
//STEPLIB DD DSN=SYS1.MARKIV.DISP=SHR  
//M4LIB DD DSN=HOMC1.AP12.C5320.MK4LIB1.DISP=OLD  
//M4LIST DD SYSOUT=A  
//M4REPO DD DSN=HOMC1.AP12.C5921.TB12.REPO.UNIT=2314,  
// VOLUME=(,RETAIN)  
// VOLUME=(,RETAIN)  
//M4SORT DD DSN=QORTCTL.UNIT=2314.SPACE=(TRK,1),  
// DISP=(,PASS)  
//M4OLD DD DSN=HOMC1.AP12.C5921.PM10001(10).DISP=OLD  
//M4NEW DD DSN=HOMC1.AP12.C5921.TB410001.DISP=(,PASS).UNIT=TAPE9  
//M4SUBF1 DD DSN=SUBF1.DISP=(,PASS).UNIT=8314,  
// SPACE=(TRK,(10,10),RLSE)  
//M4SORT EXEC PGM=IERRC000,REGION=80K  
//SORTLIB DD DSN=SYS1.SORTLIB.DISP=SHR  
//SORTIN DD DSN=HOMC1.AP12.C5921.TB12.REPO.DISP=(OLD,KEEP),  
// DCB=(RECFM=VB,RECL=2044,BLKSIZE=8048)  
//SORTOUT DD DSN=REPO.UNIT=2314.SPACE=(TRK,(10,10),RLSE),  
// DISP=(NEW,PASS),  
// DCB=(RECL=2044,BLKSIZE=2048,RECFM=VB)  
//SYSIN DD DSN=QORTCTL.DISP=(OLD,DELETE)  
//SORTIN01 DD UNIT=SYSDA.SPACE=(TRK,(30),CONTIG)  
//SORTIN02 DD UNIT=SYSDA.SPACE=(TRK,(30),CONTIG)  
//SORTIN03 DD UNIT=SYSDA.SPACE=(TRK,(30),CONTIG)  
//SYSOUT DD SYSOUT=A  
//ELIST EXEC PGM=MARKIV,REGION=80K  
//STEPLIB DD DSN=SYS1.MARKIV.DISP=SHR  
//M4LIB DD DSN=HOMC1.AP12.C5320.MK4LIB1.DISP=SHR  
//M4LIST DD SYSOUT=A  
//M4REPI DD DSN=REPO.DISP=(OLD,DELETE).UNIT=2314,  
// SPACE=(TRK,(10,10),RLSE)  
//M4INPUT DD DSN=SYS1.SYSINLIB(MK4LIB1).DISP=SHR  
//SORT1 EXEC PGM=IERRC000,REGION=80K  
//SORTLIB DD DSN=SYS1.SORTLIB.DISP=SHR  
//SORTIN DD DSN=SUBF1.DISP=(OLD,DELETE)  
//SORTIN01 DD UNIT=SYSDA.SPACE=(TRK,(30),CONTIG)  
//SORTIN02 DD UNIT=SYSDA.SPACE=(TRK,(30),CONTIG)  
//SORTIN03 DD UNIT=SYSDA.SPACE=(TRK,(30),CONTIG)  
//SORTOUT DD DSN=HOMC1.AP12.C5921.TB310603(1).DISP=(NEW,CATLG),  
// UNIT=TAPE9,  
// DCB=(RECL=200,BLKSIZE=3600,RECFM=FB)  
//SYSOUT DD SYSOUT=A  
//C592186H EXEC PGM=IERRC000,REGION=80K  
//SORTLIB DD DSN=SYS1.SORTLIB.DISP=SHR  
//SORTIN01 DD DSN=HOMC1.AP12.C5921.TB310603(1),
```

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IE8UPDTE LOG PAGE 0002

NEW MASTER

SYSIN

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 00000380
 00000390
 00000600

// DISP=(OLD,KEEP),UNIT=TAPE9,
 DCR=(LRECL=200,BLKSIZE=1600,RECFM=FB)
 //SORTINO2 DD DSN=HQMCI.AP12.C5921.TB10601,
 // DISP=(OLD,DELETE),UNIT=TAPE9,
 DCB=(LRECL=200,BLKSIZE=3600,RECFM=FB)
 //SORTOUT DD DSN=HQMCI.AP12.C5921.PB16001(*1),
 // DISP=(NEW,CATLG,DELETE),UNIT=TAPE9,
 DCB=(LRECL=200,BLKSIZE=3600,RECFM=FB)
 //SYSOUT DD SYSOUT=A
 //SYSUDUMP DD SYSOUT=A

*, ENDUP

IE88171 MEMBER NAME (C592188G) NOT FOUND IN NM DIRECTORY. STOWED WITH YTR.
 IE88181 HIGHEST CORRUPTION CODE WAS 00000600
 IE88191 END OF JOB IE8UPDTE.

IEBUPDATE LOG PAGE 0001

NEW MASTER

SYSIN

.. REPL NAME,CS921821,LIST=ALL
.. NUMBER NEW1010,INCR=10

```
//CS921011 PROC
//    **** GILLET LINE TYS FROM FIELD ****
//CS921821 EXEC PGM=CS320809,REGION=100K
//STEPLIB DD DSN=HOMC1.AP12.TSTLIB2,DISP=SHR
//SYSD01 DD DSN=HOMC1.AP12.T8410901(0),DISP=OLD,
//    DCB=(RECFM=FB,LRECL=102,BLKSIZE=2100)
//SYSD02 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(,PASS),
//    VOLUMES=RETAIN),
//    UNIT=TAPE9
//SYSD03 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD04 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD05 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD06 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD07 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD08 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD09 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD10 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD11 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD12 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD13 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD14 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD15 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD16 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD17 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD18 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD19 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD20 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD21 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD22 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD23 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD24 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD25 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD26 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD27 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD28 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD29 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD30 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD31 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD32 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD33 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD34 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD35 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD36 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD37 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD38 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD39 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD40 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD41 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD42 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD43 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD44 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD45 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD46 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD47 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD48 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD49 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
//SYSD50 DD DSN=HOMC1.AP12.CS921.T8119901(+1),DISP=(MOD,PASS),
//    UNIT=TAPE9
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SYSIN

NEW MASTER

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```
//SYS007 DD DSN=MONC1,API2.C5921,78112201(1),DISP=(,CATLG,DELETE),
//      DCB=(RECFM=F8,LRECL=108,BLKSIZE=2160),UNIT=2400
//SYS008 DD DSN=MONC1,API2.C5921,78112203(1),DISP=(,PASS),UNIT=TAPE9,
//      VOLUMES=(,NETAIN),
//      DCB=(RECFM=F8,LRECL=108,BLKSIZE=2160)
//SYSUBUMP DD SYSOUT=
//SYSPRINT DD SYSOUT=
//SYSOUT DD SYSOUT=
//      ***** SORT MLF TRANSACTIONS *****
//C5921B27 EXEC PGM=IERC000,REGION=8K
//SORTIN DD DSN=MONC1,API2.C5921,78112202(1),DISP=OLD,
//      UNIT=TAPE9,
//      DCB=(LRECL=108,BLKSIZE=2160,RECFM=F8)
//      DD DSN=MONC1,API2.C5921,78114001(1),DISP=OLD,
//      DCB=(LRECL=108,BLKSIZE=2160,RECFM=F8)
//SORTOUT DD DSN=MONC1,API2.C5921,78112701(1),DISP=(,CATLG),
//      UNIT=TAPE9,
//      VOLUMES=(,NETAIN),
//      DCB=(RECFM=F8,LRECL=108,BLKSIZE=2160)
//SYSOUT DD SYSOUT=
//SORTIN01 DD UNIT=213,SPACE=(CYL,30,,CONTIG)
//SORTIN02 DD UNIT=214,SPACE=(CYL,30,,CONTIG)
//SORTIN03 DD UNIT=215,SPACE=(CYL,30,,CONTIG)
//SORTIN04 DD UNIT=216,SPACE=(CYL,30,,CONTIG)
//SORTIN05 DD UNIT=217,SPACE=(CYL,30,,CONTIG)
//SORTIN06 DD UNIT=218,SPACE=(CYL,30,,CONTIG)
//SORTIN07 DD DSN=VS1,ORTLIB,DISP=NR
//      ***** AUDIT Y/HR MLF TRANSACTIONS *****
//C5921240 EXEC PGM=C5921241,REGION=1COX
//ORTLIB DD DSN=MONC1,API2,781121,DISP=NR
//SYS001 DD DSN=MONC1,API2.C5921,78114001(1),DISP=OLD,
//      UNIT=TAPE9,
//      DCB=UFFNO1
//SYS002 DD DSN=MONC1,API2.C5921,78112701(1),
//      DISP=OLD,DCB=UFFNO1
//SYS003 DD DSN=MONC1,API2.C5921,78114001(1),UNIT=TAPE9,
//      DISP=(,CATLG,DELETE),
//      DCB=UFFNO1
//SYS004 DD DSN=MONC1,API2.C5921,78112203(1),UNIT=TAPE9,
//      DISP=(,PASS),DCB=UFFNO1
//SYS005 DD DSN=MONC1,API2.C5921,78114002(1),UNIT=TAPE9,
//      DISP=(,CATLG,DELETE),
//      DCB=UFFNO1
//SYS006 DD DSN=CONTRLWORK,UNIT=2314,DISP=(,PASS),SPACE=1TRK,231,
//      DCB=UFFNO1
//SYS007 DD DSN=MONC1,API2.C5921,78114004(1),UNIT=TAPE9,
//      DISP=(,CATLG,DELETE),
//      DCB=UFFNO1
//SYS008 DD DSN=MONC1,API2.C5921,78114001(1),DISP=NR,
//      DCB=UFFNO1
//SYS009 DD DSN=MONC1,API2.C5921,78112212(1),DISP=NR,DCB=UFFNO1
//SYS013 DD DSN=CONTRL,DISP=(,PASS),UNIT=2314,SPACE=1TRK,231,
```

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NEW MASTER

SYSIN

```
//
//SORTOUT DD DSN=81011002,DISP=(NEW,PAS),UNIT=TAPE9,
// DCB=(RECFM=F8,LRECL=80,BLKSIZE=1600)
//SYSOUT DD SYSOUT=A
//SORTWK01 DD UNIT=2314,SPACE=(CYL,50,,CONTIG)
//SORTWK02 DD UNIT=2314,SPACE=(CYL,50,,CONTIG)
//SORTWK03 DD UNIT=2314,SPACE=(CYL,50,,CONTIG)
//SORTWK04 DD UNIT=2314,SPACE=(CYL,50,,CONTIG)
//SORTWK05 DD UNIT=2314,SPACE=(CYL,50,,CONTIG)
//SORTWK06 DD UNIT=2314,SPACE=(CYL,50,,CONTIG)
//SORTLIB DD DSN=SYS1.SORTLIB,DISP=SHR
//
// ***** CREATE WEEKLY T/MR AGGREGATE FILE *****
//C921095 EXEC PGM=MARKIV,REGION=100K
//SYNOPSIS DD DSN=SYS1.MARKIV,DISP=SHR
//RELIN DD DSN=HQMCI.AP12.C920.HKCL18,DISP=SHR
//HOLD DD DUMMY
//HMEM DD
//
//M4TRAM DD DSN=HQMCI.AP12.C921.TB214002(+1),
// UNIT=TAPE9,DISP=(,CATLG,DELETE),
// DCB=(RECFM=F8,LRECL=920,BLKSIZE=6400)
//M4LIST DD DSN=811008,DISP=(OLD,DELETE),UNIT=TAPE9
// ***** SORT BILLET LINE DETAIL REPORT RECORDS *****
//C921092 EXEC PGM=IERRC00,REGION=00K
//SYNOPSIS DD DSN=HQMCI.AP12.C921.TB114002(+1),
// UNIT=TAPE9,
// DISP=OLD,
// DCB=(RECFM=F8,LRECL=210,BLKSIZE=3870)
//SORTOUT DD DSN=81TEMP,
// DISP=(,PASS),
// UNIT=TAPE9,
// DCB=(RECFM=F8,LRECL=210,BLKSIZE=4800)
//SYSOUT DD SYSOUT=A
//SORTWK01 DD UNIT=2314,SPACE=(CYL,50,,CONTIG)
//SORTWK02 DD UNIT=2314,SPACE=(CYL,50,,CONTIG)
//SORTWK03 DD UNIT=2314,SPACE=(CYL,50,,CONTIG)
//SORTWK04 DD UNIT=2314,SPACE=(CYL,50,,CONTIG)
//SORTWK05 DD UNIT=2314,SPACE=(CYL,50,,CONTIG)
//SORTWK06 DD UNIT=2314,SPACE=(CYL,50,,CONTIG)
//SORTLIB DD DSN=SYS1.SORTLIB,DISP=SHR
//
// ***** GENERAL REPORTER *****
//C921076 EXEC PGM=C920B76,REGION=100K
//SYNOPSIS DD DSN=HQMCI.AP12.TSTLIB2,DISP=SHR
//STEP1 DD SYSOUT=A
//SYN001 DD DSN=81TEMP,DISP=(OLD,DELETE),UNIT=TAPE9
//SYN002 DD DSN=HQMCI.AP12.C921.TB214002(+1),DISP=OLD,UNIT=2314
//SYN003 DD DSN=HQMCI.AP12.C921.TB114001(+1),DISP=OLD
//SYN004 DD DSN=HQMCI.AP12.C921.TB114001(+1),DISP=SHR,UNIT=2314
//SYN005 DD DSN=HQMCI.AP12.C920.TB22201,DISP=SHR,UNIT=2314
//SYN006 DD DSN=HQMCI.AP12.C921.TB115002(+1),DISP=OLD
//SYN007 DD DSN=HQMCI.AP12.C921.TB31701(+1),
// DCB=(RECFM=F,LRECL=132),VOL=(...10),
// DISP=(,CATLG),UNIT=TAPE9
//
```

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NEW MASTER

SYSDUMP LOG PAGE 0005

```
//SYS008 DD DSN=HOMC1.AP12.C5921.TB317602(*1),
// DCB=(RECFM=F,LRECL=132),VOL=(..10),
// DISP=(,CATLG),UNIT=TAPE9
//SYS009 DD DSN=HOMC1.AP12.C5921.TB317603(*1),
// DCB=(RECFM=F,LRECL=132),VOL=(..10),
// DISP=(,CATLG),UNIT=TAPE9
//SYS010 DD DUMMY
//SYSDUMP DD SYSOUT=
// ***** PRINT BILLET LINE DETAIL, RECAP CHECKLISTS *****
//C5921877 EXEC PGM=IEBGENER,REGION=86K
//SYSPRINT DD SYSOUT=
//SYSUT1 DD DSN=HOMC1.AP12.C5921.TB317603(*1),DISP=OLD,
// UNIT=TAPE9,
// DCB=(RECFM=F,LRECL=132)
//SYSUT2 DD SYSOUT=,DCB=(RECFM=FA,LRECL=132)
//SYSDUMP DD DUMMY
// ***** PRINT HARD COPY BILLET LINE DETAIL *****
//C5921878 EXEC PGM=IEBGENER,REGION=86K
//SYSPRINT DD SYSOUT=
//SYSUT1 DD DSN=HOMC1.AP12.C5921.TB317602(*1),DISP=OLD,
// UNIT=TAPE9,
// DCB=(RECFM=F,LRECL=132)
//SYSUT2 DD SYSOUT=(J,710),DCB=(RECFM=FA,LRECL=132)
//SYSDUMP DD DUMMY
// ***** PRINT HARD COPY RECAPS *****
//C5921879 EXEC PGM=IEBGENER,REGION=86K
//SYSPRINT DD SYSOUT=
//SYSUT1 DD DSN=HOMC1.AP12.C5921.TB317601(*1),DISP=OLD,
// UNIT=TAPE9,
// DCB=(RECFM=F,LRECL=132)
//SYSUT2 DD SYSOUT=(J,710),DCB=(RECFM=FA,LRECL=132)
//SYSDUMP DD DUMMY
```

./ ENDUP

IEB0161 MEMBER NAME (C5921811) FOUND IN NM DIRECTORY. ITR IS NOW ALTERED.
IEB0161 HIGHEST CONDITION CODE WAS 00000000
IEB0191 END OF JOB IEBCPDTE.

IFBUPDTE LOG PAGE 0001

NEW MASTER

SYSIN

./ ADD NAME=C5921B12,LIST=ALL
./ NUMBER NEW1=10,INCR=10

```
//C5921B12 PROC
//a ***** SORT UNIT FILE TRANSACTIONS *****
//C5921B46 EXEC PGM=IERRC000,REGION=86K
//SORTIN DD DSN=HQMCL.API2.C5921.TB112201(0),DISP=OLD,
// DCB=(LRECL=108,BLKSIZE=2160,RECFM=FB)
//SORTOUT DD DSN=HQMCL.API2.C5921.TB112501(+1),DISP=(,CATLG),
// UNIT=TAPE9,
// DCB=(RECFM=FB,LRECL=108,BLKSIZE=2160)
//SYSOUT DD SYSOUT=A
//SORTWK01 DD UNIT=2314,SPACE=(CYL,20,,CONTIG)
//SORTWK02 DD UNIT=2314,SPACE=(CYL,20,,CONTIG)
//SORTWK03 DD UNIT=2314,SPACE=(CYL,20,,CONTIG)
//SORTWK04 DD UNIT=2314,SPACE=(CYL,20,,CONTIG)
//SORTWK05 DD UNIT=2314,SPACE=(CYL,20,,CONTIG)
//SORTWK06 DD UNIT=2314,SPACE=(CYL,20,,CONTIG)
//SORTLIB DD DSN=SYS1.SORTLIB,DISP=SHR
//a ***** UNIT FILE UPDATE *****
//C5920990 EXEC PGM=MARKIV,REGION=100K
//SORTLIB DD DSN=SYS1.MARKIV,DISP=SHR
//H4LIB DD DSN=HQMCL.API2.C5320.HK4LIB,DISP=SHR
//H4LIST DD SYSOUT=A
//H4OLD DD DSN=HQMCL.API2.C5921.PB115001(0),DISP=OLD
//H4NEW DD DSN=HQMCL.API2.C5921.PB115001(+1),DISP=(,CATLG,DELETE),
// UNIT=2400
//H4RPT DD DSN=HQMCL.API2.C5320.PRCR1(+1),UNIT=TAPE9,
// DISP=(,CATLG,DELETE)
//H4SORT DD DSN=HQMCL.API2.C5921.TB115002(+1),UNIT=TAPE9,
// DISP=(,CATLG,DELETE)
//H4TRAN DD DSN=HQMCL.API2.C5921.TB112501(+1),DISP=OLD
//a ***** SORT PER-T/HR FILE *****
//RSORT EXEC PGM=IERRC000,REGION=86K
//SORTLIB DD DSN=SYS1.SORTLIB,DISP=SHR
//SORTIN DD DSN=HQMCL.API2.C5921.TB115002(+1),DISP=OLD,
// DCB=(RECFM=FB,LRECL=80,BLKSIZE=6800)
//SORTOUT DD DSN=HQMCL.API2.C5921.TB115002(+2),DISP=(,CATLG,DELETE),
// UNIT=TAPE9,
// DCB=(RECFM=FB,LRECL=80,BLKSIZE=6800)
//SORTWK01 DD UNIT=SYS0A,SPACE=(CYL,20,,CONTIG)
//SORTWK02 DD UNIT=SYS0A,SPACE=(CYL,20,,CONTIG)
//SORTWK03 DD UNIT=SYS0A,SPACE=(CYL,20,,CONTIG)
//SORTWK04 DD UNIT=SYS0A,SPACE=(CYL,20,,CONTIG)
//SORTWK05 DD UNIT=SYS0A,SPACE=(CYL,20,,CONTIG)
//SORTWK06 DD UNIT=SYS0A,SPACE=(CYL,20,,CONTIG)
//SYSOUT DD SYSOUT=A
//a ***** UNIT FILE REPORTS *****
//C5921B51 EXEC PGM=MARKIV,REGION=100K
```

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IEBUPDTE LOG PAGE 0002

NEW MASTER

SYSIN

```
//STEPL18 DD DSN=SYS1.MARKIV,DISP=SHR
//M4L18 DD DSN=HQMCI-API2-C5320-MK4L18,DISP=SHR
//M4LIST DD SYSOUT=A
//M4OLD DD DSN=HQMCI-API2-C5921-P8115001(+1),DISP=OLD
//M4REPO DD DSN=CREPORT,DISP=(NEW,PASS),UNIT=2314,
// SPACE=(CYL,(20,20),RLSE)
//M4SORT DD DSN=CSORTCTL,DISP=(NEW,PASS,DELETE),
// UNIT=2314,SPACE=(TRK,1)
// ***** SORT UNIT FILE REPORTS *****
//RSORT EXEC PGM=IERRC000,REGION=86K
//SYSIN DD DSN=CSORTCTL,DISP=(OLD,DELETE)
//SORTIN DD DSN=CREPORT,DISP=(OLD,DELETE),UNIT=2314,
// DCB=(LRECL=2044,BLKSIZE=2048,RECFM=VB)
//SORTOUT DD DSN=EMAREPI,DISP=(NEW,PASS),UNIT=2314,
// DCB=(LRECL=2044,BLKSIZE=2048,RECFM=VB),
// SPACE=(CYL,(20,20),RLSE)
//SYSOUT DD SYSOUT=A
//SORTWK01 DD UNIT=2314,SPACE=(CYL,20,CONTIG)
//SORTWK02 DD UNIT=2314,SPACE=(CYL,20,CONTIG)
//SORTWK03 DD UNIT=2314,SPACE=(CYL,20,CONTIG)
//SORTWK04 DD UNIT=2314,SPACE=(CYL,20,CONTIG)
//SORTL18 DD DSN=SYS1.SORTL18,DISP=SHR
// ***** PRINT UNIT FILE REPORTS *****
//RLIST EXEC PGM=MARKIV,REGION=86K
//STEPL18 DD DSN=SYS1.MARKIV,DISP=SHR
//M4L18 DD DSN=HQMCI-API2-C5320-MK4L18,DISP=SHR
//M4LIST DD SYSOUT=A
//M4REPI DD DSN=EMAREPI,DISP=(OLD,DELETE),UNIT=2314
//M4INPUT DD DSN=SYS1.SYSIN,DISP=(OLD,DELETE),DISP=SHR
```

./ ENDUP

IEB0171 MEMBER NAME (C5921812) NOT FOUND IN NM DIRECTORY. STONED WITH TTR.

IEB8181 HIGHEST CONDITION CODE WAS 00000000

IEB8191 END OF JOB. IEBUPDTE.

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NEW MASTER

TEBUPOTE LOG PAGE 0001

SYSIN

./ REPL NAME=C5921B21,LIST=ALL
./ NUMBER NEW1=10,INCR=10

```
//C5921B21  PROC
//C5920B6C EXEC PGM=C5920B6C,REGION=100K  ALTERNATES W/C5921B61
//STEP1B DD DSN=HQMCI.API2.TSTLIB2,DISP=SHR
//SYS001 DD DSN=HQMCI.API2.C5921.PB116001(0),DISP=OLD,
// UNIT=TAPE9,
// DCB=(LRECL=200,BLKSIZE=3600,RECFM=FB)
//SYS002 DD DSN=HQMCI.API2.C5921.TB116001(0),DISP=OLD
//SYS005 DD DSN=HQMCI.API2.C5921.TB116003(+1),UNIT=TAPE9,DISP=(,CATLG),
// DCB=BUFC=1
//SYS006 DD DSN=HQMCI.API2.C5921.TB116007(+1),DISP=(,CATLG,DELETE),
// UNIT=TAPE9,DCB=BUFC=1
//SYS007 DD DSN=HQMCI.API2.C5921.TB116002(+1),UNIT=TAPE9,DISP=(,CATLG),
// DCB=BUFC=1
//SYS008 DD DSN=HQMCI.API2.C5921.PB110401(0),DISP=SHR,
// DCB=BUFC=1
//SYS009 DD DSN=HQMCI.API2.C5920.TB222101,DISP=SHR
//SYS010 DD DSN=HQMCI.API2.C5921.PB116001(+1),UNIT=TAPE9,
// DISP=(,CATLG,DELETE),
// DCB=BUFC=1
//SYS011 DD DSN=HQMCI.API2.C5921.TB116004(+1),UNIT=2314,DISP=(,CATLG),
// SPACE=(TRK,(20,20),RLSE),DCB=BUFC=1
//SYS012 DD DSN=HQMCI.API2.C5921.TB116005(+1),UNIT=2314,DISP=(,CATLG),
// SPACE=(TRK,(20,20),RLSE),DCB=BUFC=1
//SYS013 DD DSN=HQMCI.API2.C5921.TB116009(+1),DISP=(,CATLG,DELETE),
// DCB=BUFC=1,LABEL=1,SLI,
// UNIT=2314,SPACE=(TRK,(10,10),RLSE)
//SYS014 DD DSN=HQMCI.API2.C5921.TB116008(+1),UNIT=2314,
// DISP=(,CATLG,DELETE),
// DCB=BUFC=1
//SYSUDMP DD SYSOUT=A
//SYS015 DD SYSOUT=A
//STEP2 EXEC PGM=TEBUCOD,REGION=100K
//SYS016 DD SYSOUT=A
//SYS017 DD DSN=SYS1.SORTLIB,DISP=SHR
//SORT1B DD DSN=HQMCI.API2.C5921.TB116009(+1),DISP=OLD,
// UNIT=2314,DCB=(BLKSIZE=80,LRECL=80,RECFM=FB)
//SYS018 DD DSN=ESORTCHG,UNIT=2314,DISP=(,PASS),
// DCB=(LRECL=80,BLKSIZE=800,RECFM=FB),SPACE=(TRK,(10,5),RLSE)
//SORTWK01 DD UNIT=SYSDA,SPACE=(TRK,(30),CONTIG)
//SORTWK02 DD UNIT=SYSDA,SPACE=(TRK,(30),CONTIG)
//SORTWK03 DD UNIT=SYSDA,SPACE=(TRK,(30),CONTIG)
//STEP3 EXEC PGM=TEBTPCH
//SYS019 DD SYSOUT=A
//SYS020 DD DSN=ESORTCHG,DISP=(OLD,PASS)
//SYS021 DD SYSOUT=A
//STEP4 EXEC PGM=C5921B17
//STEP1B DD DSN=HQMCI.API2.TSTLIB2,DISP=SHR
//SYSUDMP DD SYSOUT=A
//SYS001 DD DSN=ESORTCHG,DISP=(OLD,DELETE)
//SYS002 DD DSN=HQMCI.API2.C5921.PB110401(0),
```

SYSIN

NEW MASTER

IEBUPDTE LOG PAGE 0002

```
// UNIT=2314,SPACE=(TRK,(10,10),RLSE),
// DISP=(OLD,KEEP),DCB=(BLKSIZE=3200,LRCL=80,RECFM=FB)
//SY5003 DD DSN=HQMCI.API2.C5921.P8110401(+1),
// UNIT=2314,DISP=(,CATLG,DELETE),
// SPACE=(TRK,(120,10),RLSE),
// DCB=(BLKSIZE=3200,LRCL=80,RECFM=FB)
//SY5004 DD DSN=ATBLSERR.DISP=(,PASS),UNIT=2314,
// DCB=(LRCL=40,BLKSIZE=400,RECFM=FB),SPACE=(TRK,(5,5),RLSE)
//STEP5 EXEC PGM=IEBPTCH
//SYSPRINT DD SYSOUT=A
//SYSUT1 DD DSN=HQMCI.API2.C5921.P8110401(+1),DISP=OLD
//SYSUT2 DD SYSOUT=A
//STEP6 EXEC PGM=IEBPTCH
//SYSPRINT DD SYSOUT=A
//SYSUT1 DD DSN=ATBLSERR.DISP=OLD,DELETE)
//SYSUT2 DD SYSOUT=A
//C5921B45 EXEC PGM=IERRC000,REGION=86K
//SORTIN DD DSN=HQMCI.API2.C5921.TB116002(+1),
// UNIT=TAPE9,DISP=OLD,
// DCB=(RECFM=FB,LRCL=80,BLKSIZE=4000)
//SORTOUT DD DSN=ATBLSERR.DISP=INELAP65,UNIT=TAPE9,
// DCB=(RECFM=FB,LRCL=80,BLKSIZE=1600)
//SY5005 DD SYSOUT=A
//SORTWK01 DD UNIT=2314,SPACE=(CYL,50,,CONTIG)
//SORTWK02 DD UNIT=2314,SPACE=(CYL,50,,CONTIG)
//SORTWK03 DD UNIT=2314,SPACE=(CYL,50,,CONTIG)
//SORTWK04 DD UNIT=2314,SPACE=(CYL,50,,CONTIG)
//SORTWK05 DD UNIT=2314,SPACE=(CYL,50,,CONTIG)
//SORTWK06 DD UNIT=2314,SPACE=(CYL,50,,CONTIG)
//SORTL18 DD DSN=SYS1.SORTL18,DISP=SHR
//C5921B65 EXEC PGM=HARKIV,REGION=100K
//STEP18 DD DSN=SYS1.HARKIV.DISP=SHR
//HSL18 DD DSN=HQMCI.API2.C5320.NKSL181.DISP=SHR
//MADLD DD DUMMY
//MANEM DD DSN=HQMCI.API2.C5921.P8216301(+1),
// UNIT=TAPE9,DISP=(,CATLG,DELETE),
// DCB=(RECFM=FB,LRCL=928,BLKSIZE=6496)
//MATRAM DD DSN=ATBLSERR.DISP=(OLD,DELETE),UNIT=TAPE9
//MALISI DD SYSOUT=A
//C5921B61 EXEC PGM=IERRC000,REGION=86K
//SORTL18 DD DSN=SYS1.SORTL18,DISP=SHR
//SORTIN DD DSN=HQMCI.API2.C5921.TB116008(+1),DISP=OLD,
// DCB=(RECFM=FB,LRCL=18,BLKSIZE=3600)
//SORTOUT DD DSN=HQMCI.API2.C5921.TB116101(+1),
// UNIT=2314,
// SPACE=(TRK,(100,50),RLSE),
// DISP=(NEW,CATLG,DELETE),
// DCB=(RECFM=FB,LRCL=18,BLKSIZE=3600)
//SY5006 DD SYSOUT=A
//SORTWK01 DD UNIT=2314,SPACE=(CYL,10,,CCNTIG)
//SORTWK02 DD UNIT=2314,SPACE=(CYL,10,,CCNTIG)
//SORTWK03 DD UNIT=2314,SPACE=(CYL,10,,CCNTIG)
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NEW MASTER

SYSDN

TERUPDTE LOG PAGE 0003

```
//C5921852 EXEC PGM=MARKIV,REGION=100K
//STEPL18 DD DSN=SYS1.MARKIV,DISP=SHR
//M4L18 DD DSN=HQMCI.APL2.C5320.MK4L181,DISP=SHR
//M4OLD DD DSN=HQMCI.APL2.C5921.PB115001(0),DISP=OLD,UNIT=TAPE9
//M4CORD1 DD DSN=HQMCI.APL2.C5921.TB116101(+1),DISP=(OLD,DELETE,KEEP)
//M4SUBE1 DD DSN=CTB115005,DISP=(NEW,PASS),UNIT=2314,
// SPACE=(TRK,(100,50),RLSE),
// DCB=(RECFM=FB,LRECL=20,BLKSIZE=1600)
//M4LIST DD SYSOUT=A
//RSORT EXEC PGM=IERRC000,REGION=86K
//SORTL18 DD DSN=SYS1.SORTL18,DISP=SHR
//SORTLN DD DSN=CTB115005,DISP=(OLD,DELETE),UNIT=2314
//SORTOUT DD DSN=HQMCI.APL2.C5921.TB115201(+1),DISP=(,CATLG,DELETE),
// UNIT=TAPE9,
// DCB=(RECFM=FB,LRECL=20,BLKSIZE=1600)
//SYSOUT DD SYSOUT=A
//SORTWK01 DD UNIT=2314,SPACE=(CYL,10,,CONTIG)
//SORTWK02 DD UNIT=2314,SPACE=(CYL,10,,CONTIG)
//SORTWK03 DD UNIT=2314,SPACE=(CYL,10,,CONTIG)
//C5921863 EXEC PGM=IERRC000,REGION=86K
//SORTLN DD DSN=HQMCI.APL2.C5921.TB116004(+1),DISP=OLD,UNIT=2314,
// DCB=(RECFM=FB,LRECL=18,BLKSIZE=3600)
//SORTOUT DD DSN=CTB116004,DISP=(NEW,PASS),
// UNIT=2314,
// SPACE=(TRK,(100,50),RLSE),
// DCB=(RECFM=FB,LRECL=18,BLKSIZE=3600)
//SYSOUT DD SYSOUT=A
//SORTWK01 DD UNIT=2314,SPACE=(CYL,20,,CONTIG)
//SORTWK02 DD UNIT=2314,SPACE=(CYL,20,,CONTIG)
//SORTWK03 DD UNIT=2314,SPACE=(CYL,20,,CONTIG)
//SORTL18 DD DSN=SYS1.SORTL18,DISP=SHR
//C5921864 EXEC PGM=MARKIV,REGION=100K
//STEPL18 DD DSN=SYS1.MARKIV,DISP=SHR
//M4L18 DD DSN=HQMCI.APL2.C5320.MK4L181,DISP=SHR
//M4OLO DD DUNNY
//M4NEW DD DSN=HQMCI.APL2.C5921.TB316401(+1),
// UNIT=2314,SPACE=(TRK,(100,10),RLSE),DISP=(,CATLG,DELETE),
// DCB=(RECFM=FB,LRECL=49,BLKSIZE=490)
//M4TRAN DD DSN=CTB116004,DISP=(OLD,DELETE),UNIT=2314
//M4LIST DD SYSOUT=A
//C5921871 EXEC PGM=MARKIV,REGION=100K
//STEPL18 DD DSN=SYS1.MARKIV,DISP=SHR
//M4L18 DD DSN=HQMCI.APL2.C5320.MK4L181,DISP=SHR
//M4OLO DD DSN=HQMCI.APL2.C5921.PB115001(0),DISP=OLD
//M4CORD1 DD DSN=HQMCI.APL2.C5921.PB116001(+1),DISP=OLD
//M4SUBF2 DD DSN=HQMCI.APL2.C5921.TB217101(+1),DISP=(,CATLG,DELETE),
// UNIT=TAPE9
//M4REPO DD DSN=CTB115005,DISP=(NEW,PASS),UNIT=2314,
// SPACE=(CYL,(50,50),RLSE)
//M4SORT DD DSN=CTB115005,DISP=(NEW,PASS,DELETE),
// UNIT=2314,SPACE=(TRK,1)
//M4LIST DD SYSOUT=A
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//RSORT EXEC PGM=IERRC000,REGION=86K 00001550
//SYSIN DD DSN=ESORTCTL,DISP=(OLD,DELETE) 00001560
//SORTIN DD DSN=ESORTCTL,DISP=(OLD,DELETE),UNIT=2314, 00001570
// DCB=(LRECL=2044,BLKSIZE=2048,RECFM=VB) 00001580
//SORTOUT DC DSN=EM4REPI,DISP=(NEW,PASS),UNIT=2314, 00001590
// DCB=(LRECL=2044,BLKSIZE=2048,RECFM=VB), 00001600
// SPACE=(TRK,(50,50),RLSE) 00001610
//SYSOUT DD SYSOUT=A 00001620
//SORTMK01 DD UNIT=2314,SPACE=(TRK,80,,CONTIG) 00001630
//SORTMK02 DD UNIT=2314,SPACE=(TRK,80,,CONTIG) 00001640
//SORTMK03 DD UNIT=2314,SPACE=(TRK,80,,CONTIG) 00001650
//SORTMK04 DD UNIT=2314,SPACE=(TRK,80,,CONTIG) 00001660
//SORTMK05 DD UNIT=2314,SPACE=(TRK,80,,CONTIG) 00001670
//SORTMK06 DD UNIT=2314,SPACE=(TRK,80,,CONTIG) 00001680
//SORTLIB DD DSN=SYS1.SORTLIB,DISP=SHR 00001690
//RLIST EXEC PGM=MARKIV,REGION=86K 00001700
//STEPLIB DD DSN=SYS1.MARKIV,DISP=SHR 00001710
//SYSLIB DD DSN=HQMCL1.AP12.C5320,MSK4,IB1,DISP=SHR 00001720
//MALIST DD SYSOUT=A 00001730
//MAREPI DD DSN=EM4REPI,DISP=(OLD,DELETE),UNIT=2314 00001740
//MAINPUT DD DSN=SYS1.SYSINLIB(MSK4,IB1,IRCL),DISP=SHR 00001750
//C5921853 EXEC PGM=MARKIV,REGION=100K 00001760
//STEPLIB DD DSN=SYS1.MARKIV,DISP=SHR 00001770
//SYSLIB DD DSN=HQMCL1.AP12.C5320,MSK4,IB1,DISP=SHR 00001780
//MALIB DD DSN=HQMCL1.AP12.C5921.TB116001(+1),DISP=OLD,UNIT=TAPE9 00001790
//MASOLD DD DSN=HQMCL1.AP12.C5921.TB116004(+1), 00001800
// UNIT=2314,SPACE=(TRK,(10,10),RLSE),DISP=(,CATLG,DELETE), 00001810
// DCB=(RECFM=F,LRECL=80) 00001820
//MASUBF2 DD DSN=ECGATTLE,DISP=(,PASS),UNIT=2314, 00001830
// SPACE=(TRK,(10,10),RLSE),DCB=(RECFM=F,LRECL=80) 00001840
//MALIST DD SYSOUT=A 00001850
//DEFINE EXEC PGM=MARKIV,REGION=100K 00001860
//STEPLIB DD DSN=SYS1.MARKIV,DISP=SHR 00001870
//MALIB DD DSN=HQMCL1.AP12.C5320,MSK4,IB1,DISP=SHR 00001880
//MALIST DD SYSOUT=A 00001890
//MAINPUT DD DSN=ECGATTLE,UNIT=2314,DISP=(OLD,DELETE) 00001900
//C5921875 EXEC PGM=IERRC000,REGION=86K 00001910
//SORTIN DD DSN=HQMCL1.AP12.C5921.TB116003(+1), 00001920
// UNIT=TAPE9, 00001930
// DISP=OLD, 00001940
// DCB=(RECFM=FB,LRECL=210,BLKSIZE=3570) 00001950
// DD DSN=HQMCL1.AP12.C5921.TB217101(+1), 00001960
// DISP=OLD, 00001970
// UNIT=TAPE9, 00001980
// DCB=(RECFM=FB,LRECL=210,BLKSIZE=3570) 00001990
//SORTOUT DD DSN=ETEMP, 00002000
// DISP=(,PASS), 00002010
// UNIT=TAPE9, 00002020
// DCB=(RECFM=FB,LRECL=210,BLKSIZE=4200) 00002030
//SYSOUT DD SYSOUT=A 00002040
//SORTMK01 DD UNIT=2314,SPACE=(CYL,50,,CONTIG) 00002050
//SORTMK02 DD UNIT=2314,SPACE=(CYL,50,,CONTIG) 00002060

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SYSIN

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00002070 DD UNIT=2314,SPACE=(CYL,50,CONTIG)
00002080 DD UNIT=2314,SPACE=(CYL,50,CONTIG)
00002090 DD UNIT=2314,SPACE=(CYL,50,CONTIG)
00002100 DD UNIT=2314,SPACE=(CYL,50,CONTIG)
00002110 DD DSN=SYS1.SORTLIB,DISP=SHR
00002120 EXEC PGM=CS320876,REGION=100K
00002130 DD DSN=HQMCL.AP12.TSTLIB2,DISP=SHR
00002140 DD SYSOUT=A
00002150 DD DSN=STEMP,DISP=(OLD,DELETE),UNIT=TAPE9
00002160 DD DSN=HQMCL.AP12.C5921.TB316501(+1),DISP=OLD,UNIT=TAPE9
00002170 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,UNIT=2314
00002180 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD
00002190 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD
00002200 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=SHR,UNIT=2314
00002210 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD
00002220 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD
00002230 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD
00002240 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD
00002250 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD
00002260 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD
00002270 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD
00002280 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD
00002290 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD
00002300 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD
00002310 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD
00002320 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD
00002330 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002340 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002350 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002360 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002370 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002380 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002390 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002400 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002410 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002420 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002430 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002440 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002450 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002460 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002470 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002480 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002490 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002500 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002510 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)
00002520 DD DSN=HQMCL.AP12.C5921.TB316401(+1),DISP=OLD,
UNIT=TAPE9,
DCB=(RECFM=F,LRECL=132)

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. / ENCLP  
IEB816I MEMBER NAME (C5921B21) FOUND IN NH DIRECTORY. YTR IS NOW ALTERED.  
IEB818I HIGHEST CONDITION CODE WAS 00CC0000  
IEB819I END CF JCR IESUPDTE.
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SYSIN
// REPL NAME=C5921822,LIST=ALL
// NUMBER NEW=10,INCR=10

NEW MASTER
//C5921822 PROC
//C5921868 EXEC PGM=MARKIV,REGION=100K
//STEPL1 DD DSN=SYS1.MARKIV,DISP=SHR
//M4L1 DD DSN=HQMCI.API2.C5320.MK4L1B1,DISP=SHR
//M4OLD DD DSN=HQMCI.API2.C5921.PB116001(0),DISP=OLD
//M4CORD1 DD DSN=HQMCI.API2.C5921.PB116001(0),DISP=OLD
//M4SUBF4 DD DSN=HQMCI.API2.C5921.PB116001(0),DISP=OLD
// UNIT=TAPE9
//M4LIST DD SYSOUT=A
//C5921870 EXEC PGM=MARKIV,REGION=100K
//STEPL1 DD DSN=SYS1.MARKIV,DISP=SHR
//M4L1 DD DSN=HQMCI.API2.C5320.MK4L1B1,DISP=SHR
//M4OLD DD DSN=HQMCI.API2.C5921.PB116001(0),DISP=OLD
//M4SUBF1 DD DSN=HQMCI.API2.C5921.PB116001(0),DISP=OLD
// UNIT=TAPE9
//M4LIST DD SYSOUT=A
//C5921867 EXEC PGM=MARKIV,REGION=100K
//STEPL1 DD DSN=SYS1.MARKIV,DISP=SHR
//M4L1 DD DSN=HQMCI.API2.C5320.MK4L1B1,DISP=SHR
//M4OLD DD DSN=HQMCI.API2.C5921.PB116001(0),DISP=OLD
//M4CORD1 DD DSN=HQMCI.API2.C5921.PB116001(0),DISP=OLD
//M4SUBF3 DD SYSOUT=B
//M4REPD DD DSN=REPDRT,DISP=(NEW,PASS),UNIT=2314,
// SPACE=(CYL,450,50),RLSE)
//M4SORT DD DSN=ESORTCTL,DISP=(NEW,PASS,DELETE),
// UNIT=2314,SPACE=(TRK,1)
//M4LIST DD SYSOUT=A
//RSORT EXEC PGM=IERC000,REGION=86K
//SYSIN DD DSN=ESORTCTL,DISP=(OLD,DELETE)
//SORTIN DD DSN=IERC000,DISP=(OLD,DELETE),UNIT=2314,
// DCR=61,RECL=2044,BLKSIZE=2048,RECFM=VB)
//SORTOUT DD DSN=IERC000,DISP=(OLD,DELETE),UNIT=2314,
// DCR=61,RECL=2044,BLKSIZE=2048,RECFM=VB)
//SYSOUT DD SYSOUT=A
//SORTWK01 DD UNIT=2314,SPACE=(CYL,80,CONTIG)
//SORTWK02 DD UNIT=2314,SPACE=(CYL,80,CONTIG)
//SORTWK03 DD UNIT=2314,SPACE=(CYL,80,CONTIG)
//SORTWK04 DD UNIT=2314,SPACE=(CYL,80,CONTIG)
//SORTWK05 DD UNIT=2314,SPACE=(CYL,80,CONTIG)
//SORTWK06 DD UNIT=2314,SPACE=(CYL,80,CONTIG)
//SORTL1 DD DSN=SYS1.SORTL1,DISP=SHR
//RLIST1 EXEC PGM=MARKIV,REGION=86K
//STEPL1 DD DSN=SYS1.MARKIV,DISP=SHR
//M4L1 DD DSN=HQMCI.API2.C5320.MK4L1B1,DISP=SHR
//M4LIST DD SYSOUT=A
//M4PEPI DD DSN=GM4PEPI,DISP=(OLD,DELETE),UNIT=TAPE9
//M4INPUT DD DSN=SYS1.SYSIN,DISP=(OLD,DELETE),UNIT=TAPE9
//C5921869 EXEC PGM=MARKIV,REGION=100K
//STEPL1 DD DSN=SYS1.MARKIV,DISP=SHR
//M4L1 DD DSN=HQMCI.API2.C5320.MK4L1B1,DISP=SHR

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NEW MASTER

SYSDM

IEBUPDTE LOG PAGE 0002

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//H4OLD DD DSN=H4MC1,API2,C5921,PB110001(0),DISP=OLD
//H4SUBFI DD DSN=H4MC1,API2,C5921,PB210901(1),DISP=(,CATLG,DELETE),
//UNIT=TAPE9
//H4REPO DD DSN=GREPORT,DISP=(NEW,PASS),UNIT=2314,
//SPACE=(TRK,(10,30),RLSE)
//H4SORT DD DSN=6SORTCTL,DISP=(NEW,PASS,DELETE),
//UNIT=2314,SPACE=(TRK,1)
//H4LIST DD SYSOUT=A
//H4INPUT DD DSN=H4MC1,API2,C5320,INULTRPT,DISP=OLD
//C5921B66 EXEC PGM=MARKIV,REGION=100K
//STEPLIB DD DSN=SYS1,MARKIV,DISP=SHR
//H4LIB DD DSN=H4MC1,API2,C5320,HK4LIB,DISP=SHR
//H4LIST DD SYSOUT=A
//H4OLD DD DSN=H4MC1,API2,C5921,PB115001(0),DISP=OLD
//H4C08D1 DD DSN=H4MC1,API2,C5921,PB213501(0),DISP=OLD
//H4SUBFI DD DSN=6UIC-LIST,
//UNIT=2314,SPACE=(TRK,(100,10),RLSE),DISP=(,PASS),
//DCB=(RECFM=FB,LRECL=114,BLKSIZE=2280)
//SORT1 EXEC PGM=IERCC00,REGION=86K
//SORTIN DD DSN=6UIC-LIST,DISP=(OLD,DELETE),UNIT=2314
//SORTOUT DD DSN=6UIC-SORT,DISP=(NEW,PASS),UNIT=2314,
//DCB=(RECFM=FB,LRECL=114,BLKSIZE=2280),
//SPACE=(TRK,(100,50),RLSE)
//SYSOUT DD SYSOUT=A
//SORTWK01 DD UNIT=2314,SPACE=(TRK,100,,CONTIG)
//SORTWK02 DD UNIT=2314,SPACE=(TRK,100,,CONTIG)
//SORTWK03 DD UNIT=2314,SPACE=(TRK,100,,CONTIG)
//SORTWK04 DD UNIT=2314,SPACE=(TRK,100,,CONTIG)
//SORTWK05 DD UNIT=2314,SPACE=(TRK,100,,CONTIG)
//SORTWK06 DD UNIT=2314,SPACE=(TRK,100,,CONTIG)
//SORTLIB DD DSN=SYS1,SORTLIB,DISP=SHR
//C5320R8 EXEC PGM=MARKIV,REGION=86K
//STEPLIB DD DSN=SYS1,MARKIV,DISP=SHR
//H4LIB DD DSN=H4MC1,API2,C5320,HK4LIB,DISP=SHR
//H4REPO DD DSN=GREPORT,DISP=(,PASS),UNIT=2314,
//SPACE=(TRK,(100,50),RLSE)
//H4LIST DD SYSOUT=A
//H4OLD DD DSN=6UIC-SORT,DISP=(OLD,DELETE),UNIT=2314
//H4SUBFI DD SYSOUT=A
//H4REPI DD DSN=GREPORT,DISP=(,PASS),UNIT=2314,
//SPACE=(TRK,(100,50),RLSE)
//H4SORT DD DSN=6H4SORT,UNIT=2314,DISP=(NEW,PASS),
//SPACE=(TRK,(1,1),RLSE)
//H4LIST DD SYSOUT=A
//H4REPI DD DSN=IERCC00,REGION=86K
//SORTIN DD DSN=GREPORT,DISP=(OLD,DELETE),UNIT=2314,
//DCB=(RECFM=FB,LRECL=2044,BLKSIZE=2048)
//SORTOUT DD DSN=GREPO,DISP=(NEW,PASS),UNIT=2314,
//DCB=(RECFM=FB,LRECL=2044,BLKSIZE=2048),
//SPACE=(TRK,(100,50),RLSE)
//SYSOUT DD SYSOUT=A
//SORTWK01 DD UNIT=2314,SPACE=(TRK,100,,CONTIG)
//SORTWK02 DD UNIT=2314,SPACE=(TRK,100,,CONTIG)

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00000930
00000940
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00000990
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00010010
00010020


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//SORTWK03 DD UNIT=2314,SPACE=(TRK,100,CONTIG) 00001030
//SORTLIB DD DSN=SYS1.SORTLIB,DISP=SHR 00001040
//SYSEX DD DSN=MSDSR1,DISP=(OLD,DELETE),UNIT=2314 00001050
//RLIST2 EXEC PGM=MARKIV,REGION=100K 00001060
//STEPLIB DD DSN=SYS1.MARKIV,DISP=SHR 00001070
//MSLIB DD DSN=HQMCI.AP12.C5920.MK4LIB1,DISP=SHR 00001080
//MALIST DD SYSOUT=A 00001090
//MAREPI DD DSN=EREPO,DISP=(OLD,DELETE),UNIT=2314 00001100
//MAREPRT DD DSN=SYS1.SYSINLIB,DISP=SHR 00001110
//C5921B70 EXEC PGM=MARKIV,REGION=100K 00001120
//STEPLIB DD DSN=SYS1.MARKIV,DISP=SHR 00001130
//MSLIB DD DSN=HQMCI.AP12.C5920.MK4LIB1,DISP=SHR 00001140
//MAREP DD DSN=HQMCI.AP12.C5921.PB115001(0),DISP=OLD 00001150
//MAREP DD DSN=HQMCI.AP12.C5921.PB116001(0),DISP=OLD 00001160
//MAREP DD DSN=HQMCI.AP12.C5921.PB116001(1),DISP=OLD 00001170
// UNIT=TAPE9 00001180
//MAREPO DD DSN=EREPO,DISP=(NEW,PASS),UNIT=TAPE9 00001190
//MASORT DD DSN=MSORTCIL,DISP=(NEW,PASS,DELETE), 00001200
//MALIST DD SYSOUT=A 00001210
//MAREP EXEC PGM=MARKIV,REGION=100K 00001220
//SYSIN DD DSN=MSORTCIL,DISP=(OLD,DELETE) 00001230
//SORTIN DD DSN=EREPO,DISP=(OLD,DELETE),UNIT=2400, 00001240
//SORPRT DD DSN=EREPI,DISP=(NEW,PASS), 00001250
// DCB=11RECL=2044,BLKSIZE=2048,RECFM=VB) 00001260
// DCB=11RECL=2044,BLKSIZE=2048,RECFM=VB), 00001270
// UNIT=2400 00001280
//SYSOUT DD SYSOUT=A 00001290
//SORTWK01 DD UNIT=2314,SPACE=(CYL,20,CONTIG) 00001300
//SORTWK02 DD UNIT=2314,SPACE=(CYL,20,CONTIG) 00001310
//SORTWK03 DD UNIT=2314,SPACE=(CYL,20,CONTIG) 00001320
//SORTWK04 DD UNIT=2314,SPACE=(CYL,20,CONTIG) 00001330
//SORTWK05 DD UNIT=2314,SPACE=(CYL,20,CONTIG) 00001340
//SORTWK06 DD UNIT=2314,SPACE=(CYL,20,CONTIG) 00001350
//SORTLIB DD DSN=SYS1.SORTLIB,DISP=SHR 00001360
//RLIST3 EXEC PGM=MARKIV,REGION=80K 00001370
//STEPLIB DD DSN=SYS1.MARKIV,DISP=SHR 00001380
//MALIST DD SYSOUT=A 00001390
//MAREPI DD DSN=EREPI,DISP=(OLD,DELETE),UNIT=2400 00001400
//MAREPRT DD DSN=SYS1.SYSINLIB,DISP=SHR 00001410
//C5921B72 EXEC PGM=MARKIV,REGION=100K 00001420
//STEPLIB DD DSN=SYS1.MARKIV,DISP=SHR 00001430
//MALIB DD DSN=HQMCI.AP12.C5920.MK4LIB1,DISP=SHR 00001440
//MAREP DD DSN=HQMCI.AP12.C5921.PB115001(0),DISP=OLD 00001450
//MAREP DD DSN=HQMCI.AP12.C5921.PB116001(0),DISP=OLD 00001460
//MAREP DD DSN=HQMCI.AP12.C5921.PB116001(1),DISP=OLD 00001470
//MAREP DD DSN=HQMCI.AP12.C5921.PB117201(1),DISP=OLD 00001480
// UNIT=TAPE9 00001490
//MAREPO DD DSN=EREPO,DISP=(NEW,PASS),UNIT=TAPE9 00001500
//MASORT DD DSN=MSORTCIL,DISP=(NEW,PASS,DELETE), 00001510
//MALIST DD SYSOUT=A 00001520
// UNIT=2314,SPACE=(TRK,1) 00001530
//MALIST DD SYSOUT=A 00001540
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SYSIN                                     NEW MASTER                                IEBUPDTE LOG PAGE 0004

//RSORT EXEC PGM=IERRC00,REGION=86K
//SYSIN DD DSN=ESCTCTL,DISP=(OLD,DELETE)
//SORTIN DD DSN=CREPORT,DISP=(OLD,DELETE),UNIT=2400,
//          DCB=(LRECL=2044,BLKSIZE=2048,RECFM=VB)
//SORTOUT DD DSN=EMAREP1,DISP=(NEW,PASS),
//          DCB=(LRECL=2044,BLKSIZE=2048,RECFM=VB),
//          UNIT=2400
//SYSOUT DD SYSOUT=A
//SORTWK01 DD UNIT=2314,SPACE=(CYL,20,,CONTIG)
//SORTWK02 DD UNIT=2314,SPACE=(CYL,20,,CONTIG)
//SORTWK03 DD UNIT=2314,SPACE=(CYL,20,,CONTIG)
//SORTWK04 DD UNIT=2314,SPACE=(CYL,20,,CONTIG)
//SORTWK05 DD UNIT=2314,SPACE=(CYL,20,,CONTIG)
//SORTWK06 DD UNIT=2314,SPACE=(CYL,20,,CONTIG)
//SORTLIB DD DSN=SYS1.SORTLIB,DISP=SHR
//RLIST4 EXEC PGM=MARKIV,REGION=86K
//STEPL10 DD DSN=SYS1.MARKIV,DISP=SHR
//MALIB DD DSN=HQMCL1.AP12.C5320.MK4LIB1,DISP=SHR
//M4LIB DD SYSOUT=A
//MAREP1 DD DSN=EMAREP1,DISP=(OLD,DELETE),UNIT=2400
//MAREP2 DD DSN=SYS1.SYSIBLIBHQMCL1,DISP=SHR
//C5921873 EXEC PGM=IERRC00,REGION=86K
//SORTOUT DD DSN=EMRTRANS1,DISP=(NEW,PASS),UNIT=2314,
//          DCB=(RECFM=FB,LRECL=153,BLKSIZE=3060),SPACE=(TRK,130,30),RLSE)
//SYSOUT DD SYSOUT=A
//SORTWK01 DD UNIT=2314,SPACE=(CYL,40,,CONTIG)
//SORTWK02 DD UNIT=2314,SPACE=(CYL,40,,CONTIG)
//SORTWK03 DD UNIT=2314,SPACE=(CYL,40,,CONTIG)
//SORTWK04 DD UNIT=2314,SPACE=(CYL,40,,CONTIG)
//SORTLIB DD DSN=SYS1.SORTLIB,DISP=SHR
//SORTIN DD DSN=HQMCL1.AP12.C5921.TB216901(+1),DISP=OLD,
//          DCB=(LRECL=153,BLKSIZE=3060,RECFM=FB)
//          DD DSN=HQMCL1.AP12.C5921.TB216901(+1),DISP=OLD,
//          DCB=(LRECL=153,BLKSIZE=3060,RECFM=FB)
//          DD DSN=HQMCL1.AP12.C5921.TB217201(+1),DISP=OLD,
//          DCB=(LRECL=153,BLKSIZE=3060,RECFM=FB)
//C5921874 EXEC PGM=MARKIV,REGION=100K
//STEPL10 DD DSN=SYS1.MARKIV,DISP=SHR
//MALIB DD DSN=HQMCL1.AP12.C5320.MK4LIB1,DISP=SHR
//M4SORT DD DSN=ESCTCTL,DISP=(,PASS),SPACE=(TRK,1),UNIT=2314
//M4TRAN DD DSN=EMRTRANS1,DISP=(OLD,DELETE)
//M4NEW DD DSN=EMAREP1,DISP=(NEW,DELETE),UNIT=2314,
//          SPACE=(TRK,130,30),RLSE)
//M4REPO DD DSN=CREPORT,DISP=(,PASS),UNIT=2314,
//          SPACE=(TRK,130,30),RLSE)
//M4SUBF1 DD DSN=ESUMCOS,UNIT=2314,DISP=(,PASS),
//          SPACE=(TRK,130,30),RLSE)
//M4SUBF2 DD DSN=HQMCL1.AP12.C5921.TB217401(+1),
//          DISP=(,CATLG,DELETE),
//          UNIT=TAPET,
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=4000)
//M4LIST DD SYSOUT=A

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00001560
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//RSORT
//SYSIN DD DSN=ESORTCT, DISP=OLD, DELETE)
//SORTIN DD DSN=ESORTCT, DISP=OLD, DELETE), UNIT=2314,
// DCB=(LRECL=2044, BLKSIZE=2048, RECFM=VB)
// SORTOUT DD DSN=EMAREPI, DISP=(NEW, PASS), UNIT=2314,
// DCB=(LRECL=2044, BLKSIZE=2048, RECFM=VB),
// SPACE=(TRK,(30,30),RLSE)
//SYSOUT DD SYSOUT=A
//SORTWK01 DD UNIT=2314, SPACE=(TRK,40, CONTIG)
//SORTWK02 DD UNIT=2314, SPACE=(TRK,40, CONTIG)
//SORTWK03 DD UNIT=2314, SPACE=(TRK,40, CONTIG)
//SORTWK04 DD UNIT=2314, SPACE=(TRK,40, CONTIG)
//SORTWK05 DD UNIT=2314, SPACE=(TRK,40, CONTIG)
//SORTWK06 DD UNIT=2314, SPACE=(TRK,40, CONTIG)
//SORTLIB DD DSN=SYS3.SORTLIB, DISP=SHR
//RLIST EXEC PGM=MARKIV, REGION=86K
//STEPL1 DD DSN=SYS3.MARKIV, DISP=SHR
//M4LIST DD SYSOUT=A
//MAREPI DD DSN=EMAREPI, DISP=OLD, DELETE), UNIT=2314
//R4INPUT DD DSN=SYS1.SYSINLIB(MKALSTRC), DISP=SHR
//CS921881 EXEC PGM=TERRC000, REGION=800K
//SORTIN DD DSN=HQMCI-API2-C5921-T9216803(1), DISP=OLD, UNIT=TAPE9,
// DCB=(RECFM=FB, LRECL=88, BLKSIZE=880)
// DD DSN=HQMCI-API2-C5921-T9216803(1), DISP=OLD,
// UNIT=TAPE9,
// DCB=(RECFM=FB, LRECL=88, BLKSIZE=880)
//SORTOUT DD DSN=EMAREPI, DISP=OLD, DELETE), UNIT=TAPE9,
// DCB=(RECFM=FB, LRECL=88, BLKSIZE=880)
//SYSOUT DD SYSOUT=A
//SORTWK01 DD UNIT=2314, SPACE=(CYL,50, CONTIG)
//SORTWK02 DD UNIT=2314, SPACE=(CYL,50, CONTIG)
//SORTWK03 DD UNIT=2314, SPACE=(CYL,50, CONTIG)
//SORTWK04 DD UNIT=2314, SPACE=(CYL,50, CONTIG)
//SORTWK05 DD UNIT=2314, SPACE=(CYL,50, CONTIG)
//SORTWK06 DD DSN=SYS3.SORTLIB, DISP=SHR
//CS921882 EXEC PGM=MARKIV, REGION=100K
//STEPL1 DD DSN=SYS1.MARKIV, DISP=SHR
//M4LIB DD DSN=HQMCI-API2-C5920-MK4LIB, DISP=SHR
//M4OLD DD DSN=EMAREPI, UNIT=TAPE9, DISP=OLD, DELETE,
// DCB=(RECFM=FB, LRECL=88, BLKSIZE=1600)
// M4SUBF1 DD DSN=HQMCI-API2-C5921-TB318201(1),
// DISP=(NEW, CATLG, DELETE),
// UNIT=TAPE9,
// DCB=(RECFM=FB, LRECL=174, BLKSIZE=3480)
// M4SUBF2 DD DSN=EMAREPI, DISP=OLD, DELETE),
// DCB=(RECFM=FB, LRECL=88, BLKSIZE=1600),
// UNIT=TAPE9
//M4LIST DD SYSOUT=A
//CS921883 EXEC PGM=TERRC000, REGION=86K
//SORTIN DD DSN=EMAREPI, DISP=OLD, DELETE), UNIT=TAPE9,
// DCB=(RECFM=FB, LRECL=88, BLKSIZE=1600)
// SORTOUT DD DSN=EMAREPI, DISP=(NEW, PASS), UNIT=TAPE9,
```

NEW MASTER

IF8UPDTE LOG PAGE 0006

SYSDN

```
// DCB=(RECFM=FB,LRECL=80, BLKSIZE=1600)
//SYSOUT DD SYSOUT=A
//SORTWK01 DD UNIT=2314,SPACE=(CYL,50,CONTIG)
//SORTWK02 DD UNIT=2314,SPACE=(CYL,50,CONTIG)
//SORTWK03 DD UNIT=2314,SPACE=(CYL,50,CONTIG)
//SORTWK04 DD UNIT=2314,SPACE=(CYL,50,CONTIG)
//SORTWK05 DD UNIT=2314,SPACE=(CYL,50,CONTIG)
//SORTWK06 DD UNIT=2314,SPACE=(CYL,50,CONTIG)
//SORTLIB DD DSN=SYS1.SORTLIB,DISP=SHR
//C5921884 EXEC PGM=MARKIV,REGION=100K
//STEPLIB DD DSN=SYS1.MARKIV,DISP=SHR
//M4LIB DD DSN=HQMCI.API2.C5320.MK4LIB1,DISP=SHR
//M4OLD DD DSN=HQMCI.API2.C5921.PB216501(+1),DISP=(OLD,DELETE)
//M4SUBF1 DD DSN=HQMCI.API2.C5921.PB216501(+1),DISP=(HOLD,CATLG,DELETE)
// UNIT=TAPE9
// DCB=(RECFM=FB,LRECL=142, BLKSIZE=4118)
//M4LIST DD SYSOUT=A
//C5921810 EXEC PGM=MARKIV,REGION=86K
//STEPLIB DD DSN=SYS1.MARKIV,DISP=SHR
//M4LIB DD DSN=HQMCI.API2.C5320.MK4LIB1,DISP=SHR
//M4OLD DD DSN=HQMCI.API2.C5921.PB116001(+1),DISP=OLD
//M4SUBF1 DD DSN=HQMCI.API2.C5921.PB916901(+1),UNIT=TAPE9,DCB=
DEN=2,DISP=(,CATLG,DELETE)
//M4SUBF2 DD DSN=HQMCI.API2.C5921.PB916001(+2),UNIT=TAPE9,
DCB=
DEN=2,DISP=L,CATLG,DELETE)
//M4SUBF3 DD DSN=HQMCI.API2.C5921.PB916001(+3),UNIT=TAPE9,
DCB=
DEN=2,DISP=(,CATLG,DELETE)
//M4SUBF4 DD DSN=HQMCI.API2.C5921.PB916001(+4),UNIT=TAPE9,
DCB=
DEN=2,DISP=(,CATLG,DELETE)
//M4SUBF5 DD DSN=HQMCI.API2.C5921.PB916001(+5),UNIT=TAPE9,
DCB=
DEN=2,DISP=L,CATLG,DELETE)
//C59218CV EXEC PGM=MARKIV,REGION=100K
//STEPLIB DD DSN=SYS1.MARKIV,DISP=SHR
//M4LIB DD DSN=HQMCI.API2.C5320.MK4LIB1,DISP=SHR
//M4REPO DD DSN=REPORT,DISP=(,PASS),UNIT=2314,SPACE=
(100,50),RLSE)
//M4OLD DD DSN=HQMCI.API2.C5921.PB216501(+1),DISP=OLD,UNIT=2314
//M4LIST DD SYSOUT=A
```

..// FNDUP

IEB0161 MFMPEP NAME (C5921R22) FOUND IN NM DIRECTORY. ITR IS NOW ALTERED.
IEB0181 HIGHEST CONDITION CODE WAS C0CCG000
IEB0191 END OF JCB IE8UPDTE.

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NEW MASTER

SYSIN

./ REPL NAME=C5921B31,LIST=ALL
./ NUMBER NEWI=10,INCR=10

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//C5921B31 PROC PGM=IERRC000,REGION=86K
//S921B15 EXEC DSN=8SORTTX,DISP=(NEW,PASS),UNIT=2314,
//SORTOUT DD DSN=8RECFM=F,LRECL=80,BLKSIZE=80),
// DCB=(RECFM=F,LRECL=80,BLKSIZE=80),
// SPACE=(TRK,(10,10),RLSE)
//SYSOUT DD SYSOUT=A
//SORTWK01 DD UNIT=2314,SPACE=(TRK,20,,CONTIG)
//SORTWK02 DD UNIT=2314,SPACE=(TRK,20,,CONTIG)
//SORTWK03 DD UNIT=2314,SPACE=(TRK,20,,CONTIG)
//SORTWK04 DD UNIT=2314,SPACE=(TRK,20,,CONTIG)
//SORTL18 DD DSN=SYS1.SORTL18,DISP=SHR
//C5921B16 EXEC PGM=MARKIV,REGION=100K
//M4L18 DD DSN=HQMCI.AP12.C5320.MK4L181,DISP=SHR
//M4Q18 DD DSN=HQMCI.AP12.C5320.PBRUC10),DISP=OLD
//M4NEW DD DSN=HQMCI.AP12.C5320.PBRUC11),DISP=(CATLG,DELETE),
// UNIT=TAPE9
//M4TRAN DD DSN=8SORTTX,UNIT=2314,DISP=(OLD,DELETE)
//M4REPO DD DSN=8REPORT,UNIT=2314,DISP=(PASS),
// SPACE=(TRK,(20,20),RLSE)
//M4SUBF2 DD DUMMY
//M4SORT DD DSN=8SORTCTL,UNIT=2314,DISP=(PASS),SPACE=(TRK,1)
//M4LIST DD SYSOUT=A
//RSORT EXEC PGM=IERRC000,REGION=100K
//SYSIN DD DSN=8SORTCTL,DISP=(OLD,DELETE)
//SORTIN DD DSN=8REPORT,DISP=(OLD,DELETE),UNIT=2314,
// DCB=(LRECL=2044,BLKSIZE=2048,RECFM=VB)
//SORTOUT DD DSN=8REPI,DISP=(NEW,PASS),UNIT=2314,
// DCB=(LRECL=2044,BLKSIZE=2048,RECFM=VB),
// SPACE=(TRK,(10,10),RLSE)
//SYSOUT DD SYSOUT=A
//SORTWK01 DD UNIT=(2314,SEP=(SORTIN,SORTOUT)),
// SPACE=(CYL,80,CONTIG)
//SORTWK02 DD UNIT=(2314,SEP=(SORTIN,SORTOUT,SORTWK01)),
// SPACE=(CYL,80,,CONTIG)
//SORTWK03 DD UNIT=(2314,SEP=(SORTIN,SORTOUT,SORTWK01,SORTWK02)),
// SPACE=(CYL,80,,CONTIG)
//SORTL18 DD DSN=SYS1.SORTL18,DISP=SHR
//RLIST1 EXEC PGM=MARKIV,REGION=86K
//M4L18 DD DSN=HQMCI.AP12.C5320.MK4L18,DISP=SHR
//M4LIST DD SYSOUT=A
//M4REPI DD DSN=8M4REPI,DISP=(OLD,DELETE),UNIT=2314
//M4INPUT DD DSN=SYS1.SYSINL18(MK4L18TRC),DISP=SHR
//C5921B13 EXEC PGM=IERRC000,REGION=86K
//SORTOUT DD DSN=8SORTTX,DISP=(NEW,PASS),UNIT=2314,
// DCB=(RECFM=F,LRECL=80,BLKSIZE=80),
// SPACE=(TRK,(10,10),RLSE)
//SYSOUT DD SYSOUT=A
//SORTWK01 DD UNIT=2314,SPACE=(TRK,20,,CONTIG)
//SORTWK02 DD UNIT=2314,SPACE=(TRK,20,,CONTIG)
//SORTWK03 DD UNIT=2314,SPACE=(TRK,20,,CONTIG)

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00000010
00000020
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00000490
00000500

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SYSIN                                     IEUPDATE LOG PAGE 0002

NEW MASTER

//SORTWK04 DD UNIT=2314,SPACE=(TRK,20,,CONTIG)
//SORTLIB DD DSN=SYS1.SORTLIB,DISP=SHR
//C5921814 EXEC PGM=MARKIV,REGION=100K
//M4LIB DD DSN=HOMC1.AP12.C5320.HK4LIB1,DISP=SHR
//M4OLD DD DSN=HOMC1.AP12.C5320.P8MP(0),DISP=OLD
//M4NEW DD DSN=HOMC1.AP12.C5320.P8MP(+1),DISP=(CATLG,DELETE),
// UNIT=TAPE9
//M4TRAN DD DSN=MSORTTX,UNIT=2314,DISP=(OLD,DELETE)
//M4REPD DD DSN=AREPORT,UNIT=2314,DISP=(PASS),
// SPACE=(TRK,(20,20),RLSE)
//M4SUBF2 DD DUMMY
//M4SORT DD DSN=MSORTCTL,UNIT=2314,DISP=(PASS),SPACE=(TRK,1)
//M4LIST DD SYSOUT=A
//R SORT EXEC PGM=IERRC000,REGION=100K
//SYSIN DD DSN=MSORTCTL,DISP=(OLD,DELETE)
//SORTIN DD DSN=AREPORT,DISP=(OLD,DELETE),UNIT=2314,
// DCB=(LRECL=2044,BLKSIZE=2048,RECFM=VB)
//SORTOUT DD DSN=M4REPI,DISP=(NEW,PASS),UNIT=2314,
// DCB=(LRECL=2044,BLKSIZE=2048,RECFM=VB),
// SPACE=(TRK,(10,10),RLSE)
//SYSOUT DD SYSOUT=A
//SORTWK01 DD UNIT=(2314,SEP=(SORTIN,SORTOUT)),
// SPACE=(CYL,80,,CONTIG)
//SORTWK02 DD UNIT=(2314,SEP=(SORTIN,SORTOUT,SORTWK01)),
// SPACE=(CYL,80,,CONTIG)
//SORTWK03 DD UNIT=(2314,SEP=(SORTIN,SORTOUT,SORTWK01,SORTWK02)),
// SPACE=(CYL,80,,CONTIG)
//SORTLIB DD DSN=SYS1.SORTLIB,DISP=SHR
//RLIST2 EXEC PGM=MARKIV,REGION=86K
//M4LIB DD DSN=HOMC1.AP12.C5320.HK4LIB,DISP=SHR
//LIST DD SYSOUT=A
//M4REPI DD DSN=M4REPI,DISP=(OLD,DELETE),UNIT=2314
//M4INPUT DD DSN=SYS1.SYSINLIB(MK4LSTRC),DISP=SHR

```

./ ENDUP

IEB0161 MEMBER NAME (C5921831) FOUND IN NM DIRECTORY. ITR IS NOW ALTERED.
 IEB0181 HIGHEST CATALOGIC CODE WAS 00000000
 IEB0191 END OF JOB IEUPDATE.

00000510
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 00000690
 00000700
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 00000800
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IEBUPDTE LOG PAGE 0001

NEW MASTER

SYSIN

```

// ADD NAME=C5921871,LIST=ALL
// NUMBER NEW1=20,INCR=10

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//C5921871 PROC
//C5920817 EXEC PGM=MARKIV,REGION=100K
//STEPL18 DD DSN=SYS1,MARKIV,DISP=SHR
//K4L18 DD DSN=HQMCI,AP12,C5920,HK4L18,DISP=SHR
//M4OLD DD DSN=HQMCI,AP12,C5921,PB115001(0),DISP=OLD
//M4CORD1 DD DSN=HQMCI,AP12,C5921,PB115001(0),DISP=OLD
//M4SUBF1 DD DSN=HQMCI,AP12,C5921,TB216001(0),DISP=OLD
// DISP=(NEW,CATLG,DELETE),UNIT=TAPE9,
// DCB=(RECFM=FB,LRECL=210,BLKSIZE=3970)
//M4LIST DD SYSOUT=J
//C5921874 EXEC PGM=IERRC000,REGION=86K
//SORTIN DD DSN=HQMCI,AP12,C5921,TB216001(0),DISP=OLD,
// UNIT=TAPE9,
// DISP=OLD,
// DCB=(RECFM=FB,LRECL=210,BLKSIZE=3970)
//SORTOUT DD DSN=TEMP,
// DISP=(NEW,PASS),
// UNIT=TAPE9,
// DCB=(RECFM=FB,LRECL=210,BLKSIZE=4200)
//SYSOUT DD SYSOUT=J
//SORTWK01 DD UNIT=2314,SPACE=(CYL,50,CONTIG)
//SORTWK02 DD UNIT=2314,SPACE=(CYL,50,CONTIG)
//SORTWK03 DD UNIT=2314,SPACE=(CYL,50,CONTIG)
//SORTWK04 DD UNIT=2314,SPACE=(CYL,50,CONTIG)
//SORTWK05 DD UNIT=2314,SPACE=(CYL,50,CONTIG)
//SORTWK06 DD UNIT=2314,SPACE=(CYL,50,CONTIG)
//SORTL18 DD DSN=SYS1,SORTL18,DISP=SHR
//C5921876 EXEC PGM=C5320876,REGION=100K
//STEPL18 DD DSN=HQMCI,AP12,TB216001(0),DISP=SHR
//SYSPRINT DD SYSOUT=J
//SYSDUMP DD SYSOUT=J
//SYS001 DD DSN=TEMP,DISP=(OLD,DELETE),UNIT=TAPE9
//SYS002 DD DUMMY
//SYS003 DD DUMMY
//SYS004 DD DSN=HQMCI,AP12,C5921,PB115001(0),DISP=OLD
//SYS005 DD DSN=HQMCI,AP12,C5920,TB222101,DISP=SHR,UNIT=2314
//SYS006 DD DUMMY
//SYS007 DD SYSOUT=J
//SYS008 DD SYSOUT=J
//SYS009 DD SYSOUT=J
//SYS010 DD DUMMY

```

```

// ENDUP
IEB8171 MEMBER NAME (C5921871) NOT FOUND IN NM DIRECTORY. STOWED WITH TTR
IEB8181 HIGHEST CONDITION CODE WAS 00000000
IEB8191 END OF JOB IEBUPDTE.

```